MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 5

Pennsylvania

Region III

PUBS
RA
981
A2
M43
1987-1989, v.5

U.S. Department of Health and Human Services
Health Care Financing Administration

RA981
.A2
M43
1987-1989
v.5

MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

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Volume 5

PENNSYLVANIA

Region III

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For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

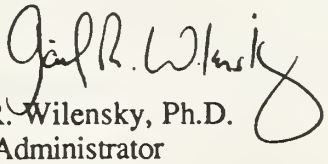
The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement .

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.



Gail R. Wilensky, Ph.D.
Administrator

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TECHNICAL APPENDIX A-1

INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction, and a more precise formula for the use of the SD is included in the Technical Appendix.

As we did in previous years' publications, we are including selected information about each hospital, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1989 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. A more detailed description of the hospital characteristics appears later in this Introduction. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

Number of Cases. This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS). This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note than the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in

a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For additional details on the development of the rates, see the Technical Appendix at the end of this volume. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variablity; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variablity rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. Further information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED are included in the Technical Appendix at the end of this volume. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.

In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.

There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be

submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

Inaccurate Date of Death. We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

Data Posting Delays. In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.

Discrepant Case Counts. Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. These particular characteristics and services were selected as those of most interest to Medicare beneficiaries. (Thus, for example, we do not include information on specialty services such as Neonatal Intensive Care Units.) This information was obtained from the AHA 1989 Annual Survey of Hospitals. Where hospitals did not provide information to AHA on a particular item, it has been listed as not available. This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's OSCAR file.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the FY 1989 summary data information.

SURVEY AND YEAR: AHA 1989 Source = American Hospital Association 1989 Annual Survey of Hospital Files

Total beds (#): Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent): Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control: State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

STAFFING (as of 09/30/88):

Total number of physicians: Total active and associate medical staff.

Percent of physicians who are board-certified specialists: Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

AHA DEFINED SPECIALTY SERVICES:

Burn unit: Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac intensive care: Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric Assessment: Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. Includes the assessment of medical conditions, functional activities and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice care: A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/surgical intensive care: Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.

Organ transplant service equipment: The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.

Other intensive care: Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric and/or psychiatric care on the basis of physicians' orders and approved nursing plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Rehabilitation unit: Unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Trauma center: Provides emergency and specialized intensive care to critically injured patients.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Online Survey Certification and Reporting System (OSCAR) definitions of some characteristics found on the hospital's summary page containing the 1986, 1987, and 1988 mortality rates and ranges.

SURVEY AND YEAR: OSCAR 19___

Total beds (#): Total number of operational beds eligible for Medicare payment.

Ownership/control: Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

OSCAR DEFINED SPECIALTY SERVICES:

There are no specific definitions of specialty services in OSCAR. These characteristics are self-reported by each hospital at initial certification and recertification. However, they are generally understood to parallel the explicit AHA definitions.

Table 1

STATES BY REGION AND VOLUME

REGION		VOLUME	STATE
I	Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
II	New York	2	New Jersey, Puerto Rico, Virgin Islands
		3	New York
III	Philadelphia	4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
		5	Pennsylvania
IV	Atlanta	6	Alabama, Georgia
		7	Florida
		8	Kentucky, Mississippi, South Carolina
		9	North Carolina, Tennessee
V	Chicago	10	Illinois
		11	Indiana, Michigan
		12	Minnesota, Wisconsin
		13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	American Samoa/Guam, Arizona, Hawaii, Nevada
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

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Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)

Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)

Table 3

COMORBIDITY CONDITIONS
(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1

Pennsylvania

ABINGTON MEMORIAL HOSPITAL

1200 Old York Rd
Abington, PA 19001

Medicare Provider Number: 390231

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,997	9.1	10.8	0.7	14.8	16.1	0.7	18.9	20.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	174	15.5	31.7	3.8	19.0	35.3	3.9	21.8	39.0	4.0
Congestive Heart Failure	219	11.0	16.3	3.9	21.0	24.8	3.9	26.5	31.8	4.6
Pneumonia/Influenza	114	18.4	20.2	4.6	24.6	27.0	5.2	29.8	32.1	5.0
Chronic Obstructive Pulmonary Disease	68	7.4	10.7	5.2	16.2	17.6	5.8	26.5	23.5	6.1
Transient Cerebral Ischemia	50	0.0	1.9	*	2.0	4.4	*	6.0	7.1	*
Stroke	206	17.5	21.9	5.2	28.2	29.0	3.8	33.0	33.5	3.4
Hip Fracture	129	7.0	8.3	3.1	10.1	14.5	5.3	15.5	18.3	4.9
Sepsis	78	29.5	26.6	5.4	42.3	34.6	6.6	50.0	40.4	7.5
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	5.8	*	3.3	9.7	*	3.3	13.1	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	45	4.4	4.7	*	6.7	8.5	*	17.8	11.1	*
Open Reduction of Hip Fracture	82	6.1	6.9	3.0	8.5	12.6	5.4	9.8	16.2	7.0
Prostatectomy	164	0.0	1.1	1.2	1.2	2.3	1.5	3.0	3.8	2.0
Cholecystectomy	72	2.8	1.8	1.6	6.9	3.0	2.7	9.7	3.8	3.9
Hysterectomy	32	3.1	0.6	*	3.1	1.2	*	3.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 460
Occupancy Rate 82
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 388
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 66
Registered Nurses 615
Licensed Practical Nurses 95

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

ABINGTON MEMORIAL HOSPITAL

Medicare Provider Number: 390231

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,184	8.6	10.7	0.7	14.2	16.0	0.7	18.0	20.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	179	21.2	31.3	5.4	24.6	35.3	5.5	30.2	39.2	5.1
Congestive Heart Failure	199	14.1	17.9	3.7	19.6	26.7	4.4	24.1	33.9	5.2
Pneumonia/Influenza	142	17.6	19.0	3.5	26.1	25.6	3.8	32.4	30.5	4.6
Chronic Obstructive Pulmonary Disease	60	11.7	10.9	4.7	13.3	17.6	7.3	18.3	23.0	8.8
Transient Cerebral Ischemia	71	0.0	1.8	*	0.0	3.9	*	1.4	6.1	*
Stroke	204	13.7	22.3	3.9	18.1	29.1	4.5	21.6	33.8	4.9
Hip Fracture	128	7.8	7.9	3.2	11.7	14.1	5.4	14.1	17.8	6.3
Sepsis	64	31.3	26.2	6.4	39.1	34.1	8.5	46.9	40.1	7.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	3.7	4.7	*	3.7	8.3	*	11.1	11.7	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	55	1.8	2.9	2.7	5.5	5.8	3.7	7.3	7.9	3.7
Open Reduction of Hip Fracture	74	8.1	7.8	3.3	9.5	14.7	5.5	12.2	18.9	6.6
Prostatectomy	147	0.7	0.8	1.0	0.7	1.8	1.7	1.4	3.0	2.4
Cholecystectomy	64	3.1	2.7	2.5	6.3	4.7	3.2	6.3	6.2	3.7
Hysterectomy	31	3.2	0.6	*	6.5	1.2	*	6.5	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,902	8.0	10.1	0.8	13.5	15.2	0.7	18.0	19.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	188	23.4	27.3	4.3	27.7	31.1	3.9	31.9	34.7	3.9
Congestive Heart Failure	173	9.8	17.7	4.2	16.2	26.3	4.9	22.5	33.5	5.0
Pneumonia/Influenza	126	14.3	18.5	5.1	22.2	25.0	4.7	28.6	30.1	4.6
Chronic Obstructive Pulmonary Disease	71	8.5	11.6	6.1	15.5	18.3	5.6	21.1	23.2	5.3
Transient Cerebral Ischemia	68	0.0	1.5	*	0.0	3.4	*	0.0	5.4	*
Stroke	192	16.7	22.3	5.9	25.0	29.0	5.4	28.6	33.7	6.2
Hip Fracture	118	6.8	6.6	2.3	14.4	12.1	3.6	18.6	15.7	5.1
Sepsis	53	11.3	25.5	9.3	20.8	33.1	8.9	35.8	39.2	7.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	40	2.5	4.3	*	10.0	8.5	*	10.0	12.2	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	44	4.5	4.6	*	13.6	8.6	*	15.9	11.2	*
Open Reduction of Hip Fracture	34	8.8	6.1	*	14.7	11.6	*	20.6	15.2	*
Prostatectomy	187	2.1	1.1	1.0	3.7	2.5	1.5	5.9	4.2	1.8
Cholecystectomy	48	0.0	2.5	*	2.1	4.2	*	6.3	5.3	*
Hysterectomy	33	0.0	0.6	*	3.0	1.2	*	3.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**



ABINGTON MEMORIAL HOSPITAL

ABINGTON, PENNSYLVANIA 19001

Felix M. Pilla
President
215-576-2009

January 11, 1991

Gail R. Wilensky, Ph.D., Administrator
Department of Health and Human Services
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Wilensky:

Thank you for sending us the report on Abington Memorial Hospital's specific mortality rates among our 4,000 Medicare patients treated in fiscal year 1989, as well as comparison figures for 1988 and 1987, using your new methodology.

We are pleased that, for the fourth year in a row, Abington Memorial Hospital's overall mortality rate for all time frames reported was significantly below the predicted level. We also note that the actual mortality is below the predicted level for 12 of the 15 sub-groups reported, and in no case do we have a significantly elevated mortality. We wish to highlight the fact that the mortality for patients with acute myocardial infarctions has continued to drop, so that now, our 30-day mortality is less than half the predicted rate, according to your methodology, and is significant at the .01 level.

Abington Memorial Hospital has an ongoing quality assurance program, which monitors many parameters of medical care, includng mortality. It is encouraging that the HCFA data again confirms our internal information, which indicates that:

- we continue to provide the highest quality care to our patients and have excellent outcomes; and
- our patients continue to have increasing severity of illness, as exemplified by a continued increase in your increase in your predicted range of expected mortality at Abington Memorial Hospital.

We are grateful that we have the staff and facilities to provide care that is outstanding in all respects and produces such excellent results.

Sincerely,

Felix M. Pilla

Felix Pilla
President

jc

cc: David J. Eskin, M.D., George R. Green, M.D., Rich Montalbano, Gary C. Candia, Ph.D., D. Root, J. Moore

ALBERT EINSTEIN MEDICAL CENTER

York & Tabor Rds
Philadelphia, PA 19141

Medicare Provider Number: 390142

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,065	9.9	9.0	0.6	15.9	14.2	0.8	20.1	18.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	126	28.6	22.6	5.7	31.7	26.5	5.4	34.1	30.2	5.2
Congestive Heart Failure	174	11.5	16.6	4.6	24.1	26.4	3.9	32.8	34.2	3.8
Pneumonia/Influenza	115	26.1	19.9	5.3	38.3	27.1	7.0	42.6	32.5	6.9
Chronic Obstructive Pulmonary Disease	31	9.7	9.8	*	12.9	16.7	*	19.4	22.6	*
Transient Cerebral Ischemia	48	4.2	1.9	*	8.3	4.3	*	12.5	6.9	*
Stroke	138	15.9	18.8	6.4	23.9	26.1	5.7	26.8	30.6	5.9
Hip Fracture	104	3.8	7.3	3.8	16.3	13.3	3.9	20.2	17.2	4.4
Sepsis	36	30.6	33.7	*	52.8	42.5	*	63.9	49.6	*
PROCEDURES:										
Angioplasty	125	1.6	2.6	2.0	2.4	3.6	2.4	3.2	4.6	2.8
Coronary Artery Bypass Graft	170	5.3	5.0	1.7	8.2	7.5	2.4	9.4	9.0	2.4
Initial Pacemaker Insertion	48	2.1	2.9	*	8.3	5.6	*	8.3	8.2	*
Carotid Endarterectomy	2	0.0	0.8	*	0.0	1.4	*	0.0	2.1	*
Hip Replacement/Reconstruction	64	3.1	3.5	2.5	7.8	6.8	3.4	9.4	9.3	3.8
Open Reduction of Hip Fracture	61	3.3	6.8	5.1	18.0	12.9	6.0	21.3	17.0	7.3
Prostatectomy	214	1.4	1.0	0.9	4.2	2.5	1.9	5.6	4.2	2.5
Cholecystectomy	34	8.8	2.3	*	8.8	4.2	*	8.8	5.8	*
Hysterectomy	17	0.0	1.2	*	0.0	2.5	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	618
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	874
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	223
Registered Nurses	657
Licensed Practical Nurses	94

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ALBERT EINSTEIN MEDICAL CENTER

Medicare Provider Number: 390142

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,375	10.1	9.6	0.5	16.0	14.7	0.8	20.0	18.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	155	16.1	25.7	5.1	23.2	29.5	4.5	27.7	33.2	4.4
Congestive Heart Failure	197	13.2	17.0	4.3	20.3	26.0	4.2	26.4	33.0	5.0
Pneumonia/Influenza	127	25.2	18.6	6.7	30.7	25.2	6.8	33.9	30.2	5.6
Chronic Obstructive Pulmonary Disease	26	3.8	9.9	*	11.5	16.8	*	15.4	22.1	*
Transient Cerebral Ischemia	50	4.0	2.5	*	6.0	5.7	*	6.0	9.0	*
Stroke	129	24.8	21.6	4.5	37.2	28.5	5.6	38.8	33.1	6.5
Hip Fracture	90	14.4	7.7	4.8	18.9	14.4	4.6	21.1	18.8	4.6
Sepsis	38	42.1	40.0	*	55.3	48.9	*	60.5	55.8	*
PROCEDURES:										
Angioplasty	123	1.6	2.7	2.1	2.4	3.8	2.1	4.1	4.9	2.2
Coronary Artery Bypass Graft	161	5.6	5.2	2.7	9.9	7.5	2.9	9.9	8.9	2.5
Initial Pacemaker Insertion	36	11.1	5.7	*	19.4	9.0	*	19.4	11.9	*
Carotid Endarterectomy	7	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	50	8.0	3.3	*	10.0	6.6	*	10.0	9.2	*
Open Reduction of Hip Fracture	52	9.6	6.6	5.3	17.3	12.9	7.3	19.2	17.2	6.5
Prostatectomy	201	0.0	0.9	1.1	0.5	2.4	2.0	2.5	4.0	1.9
Cholecystectomy	46	4.3	4.3	*	8.7	7.5	*	15.2	9.6	*
Hysterectomy	26	0.0	4.0	*	7.7	6.2	*	7.7	7.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,716	10.0	10.2	0.5	17.1	15.8	0.9	21.2	20.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	175	22.3	25.0	5.3	28.6	29.1	4.6	32.0	32.9	3.9
Congestive Heart Failure	227	10.6	17.5	3.6	20.7	26.5	4.2	27.3	33.7	4.6
Pneumonia/Influenza	153	20.3	20.6	4.6	29.4	27.6	3.9	35.9	33.0	4.6
Chronic Obstructive Pulmonary Disease	63	9.5	12.9	5.6	19.0	20.7	6.4	27.0	26.4	5.6
Transient Cerebral Ischemia	73	0.0	1.8	2.2	1.4	4.0	3.2	2.7	6.4	4.2
Stroke	184	19.0	20.6	3.3	29.3	27.7	3.7	34.2	32.3	4.7
Hip Fracture	105	2.9	7.9	3.5	11.4	14.6	4.6	17.1	19.1	4.0
Sepsis	51	49.0	36.2	9.6	58.8	47.1	9.5	64.7	54.7	10.3
PROCEDURES:										
Angioplasty	67	3.0	3.7	3.3	4.5	4.9	2.7	7.5	6.2	3.4
Coronary Artery Bypass Graft	87	8.0	6.5	2.9	11.5	9.0	3.7	11.5	10.5	3.7
Initial Pacemaker Insertion	52	5.8	4.2	4.2	7.7	8.7	6.2	9.6	12.7	8.7
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	69	2.9	4.9	3.1	8.7	9.3	4.5	11.6	12.4	4.1
Open Reduction of Hip Fracture	53	1.9	6.6	4.7	9.4	13.2	6.4	17.0	17.9	8.2
Prostatectomy	233	1.3	1.0	0.7	4.3	2.4	1.7	5.2	4.0	2.2
Cholecystectomy	73	2.7	4.3	2.7	9.6	7.9	3.5	13.7	10.6	5.1
Hysterectomy	26	0.0	0.8	*	0.0	1.8	*	3.8	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

5.1

ALBERT EINSTEIN HEALTHCARE FOUNDATION

York and Tabor Roads
Philadelphia, PA 19141

Robert B. Kimmel
Senior Vice President
215-456-6731

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Medicare Provider #390142

Dear Mrs. Kappert:

Thank you for the opportunity to respond to the annual release of Medicare hospital mortality information published by the Health Care Financing Administration (HCFA). While the methodology employed by HCFA has merit, it lacks sensitivity in that it does not contain sufficient clinical information regarding severity of illness and co-morbidity in cases of terminally ill, aged patients. In addition, our institution questions the validity of attributing deaths which occur within a period of six months following a given hospital admission to the disease process which led to that admission, and to the Hospital of Record.

Albert Einstein Medical Center in Philadelphia is a tertiary care hospital which provides a full range of medical and surgical services. Patients are received through transfer and referral by other regional hospitals, various other health care facilities from the immediate community, nursing homes, and our own medical staff. Based on prior analysis obtained by the MedisGroups system, our patient population demonstrates a high level of severity of illness at the time of admission.

Detailed data analysis is required to fully understand the statistical meaning of comparing Albert Einstein Medical Center's actual observed mortality rates to those predicted by the HCFA mortality rate model. This is unfortunate, as it may lead to public misinterpretation of published information.

In seven (7) of the reported categories, the number of cases was too small to estimate a standard deviation and, therefore, appropriate statistical analysis could not be completed.

In all cases where a standard deviation was given and the Medical Center's observed mortality rate was significantly different from the predicted rate, the appropriate statistical analysis was completed to determine a confidence interval or range of predicted mortality. The confidence interval illustrates whether the hospital's actual rate deviates from the expected rate by an amount significant enough to conclude that the difference is real. In all categories, the observed rate fell within the range constructed, leading us to believe that the difference in observed and expected rates was due to random variation.

In order to confirm this, the Quality Assurance Medical Officer reviewed all inpatient records of patient mortality in four diagnostic categories where the observed rate was greater than the expected rate within thirty (30) days following the admission. These include acute myocardial infarction, pneumonia/influenza, transient cerebral ischemia and cholecystectomy.

The Quality Assurance Officer reviewed 27 charts of deaths due to Acute Myocardial Infarction (A.M.I.) attributed to our hospital. Seven (7) of these deaths occurred after discharge, and, in at least one case, death was clearly not due to A.M.I., but to documented pancreatic cancer. Case review revealed an average patient age of 75 years. The vast majority had a long and complicated history of coronary artery disease. More than half were critically ill on arrival with cardiogenic shock and/or pulmonary edema or ventricular tachycardia. The findings further attest to the severity of the patients' illnesses, and the high probability of death.

In addition, the severity of our case mix was accentuated by the six patients transferred from other institutions in need of emergent or urgent cardiothoracic surgical intervention. None of the in-house mortalities was felt to be preventable, and all received a high level of cardiac care based on standards of a tertiary teaching hospital.

Thirty (30) cases of death attributed to pneumonia were reviewed by the Quality Assurance Officer. The average age of these patients was 81 years. Twenty of these cases were admitted in a moribund state from custodial care institutions, with what was obviously a terminal illness. Many of these cases were made "do not resuscitate" (DNR). Review of care management, based on a "clinical" diagnosis of pneumonia, revealed proper diagnostic methodology, supportive therapy, proper choice of antibiotics and use, and cardiac, pulmonary and infectious disease consultation services.

The difficulty of diagnosing "Pneumonia" in terminally ill, aged patients such as these is well recognized. This proved to be true on review of this patient group. In 12 of the mortalities, the major diagnosis was felt not to be pneumonia, but primary or metastatic carcinoma in 9 cases; congestive heart failure in three; gram negative bacteremia in two; and pulmonary emboli and massive pulmonary hemorrhage in one each. Aggressive efforts are underway to strengthen the diagnostic coding process within our institution to assure that coding reflects patients' conditions, severity of illness, and care provided.

Six cases of mortality assigned to the category of Transient Ischemic Attack (T.I.A.) were reviewed. The average age of these patients was 76 years. One case should have been diagnosed as a completed stroke. Again, long histories of cardiovascular and other systems diseases were present in the population. Only one of these patients died during the hospitalization, a 79 year old patient who also had other significant medical problems. On review, it was found that care for patients in this diagnostic category was appropriate and in accordance with current standards of diagnostic and therapeutic practice.

Four cases of mortality which were listed as occurring within thirty days of admission for Cholecystectomy were reviewed. Care was found to be appropriate and of high standard and quality in all cases. A coding problem was noted in one case, in which underlying medical problems contributed to the mortality.

In summary, these conditions reflect Albert Einstein Medical Center's core patient population -- geriatric and cardiac patients who are extremely ill. Our review of these cases found that none of the deaths was preventable, and that solid diagnosis and high quality care was afforded each patient.

Sincerely,

Robert B. Kimmel

Robert B. Kimmel
Senior Vice President
Albert Einstein Healthcare Foundation

ALIQUIPPA HOSPITAL

2500 Hospital Drive
Aliquippa, PA 15001

Medicare Provider Number: 390176

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,411	9.2	8.8	0.9	14.7	13.5	1.4	17.8	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	43	25.6	25.3	*	27.9	28.9	*	32.6	32.5	*
Congestive Heart Failure	101	10.9	15.1	7.5	21.8	24.0	9.8	27.7	31.2	7.6
Pneumonia/Influenza	81	18.5	17.2	4.6	27.2	24.1	5.6	30.9	29.4	6.4
Chronic Obstructive Pulmonary Disease	11	0.0	7.0	*	9.1	12.7	*	9.1	17.9	*
Transient Cerebral Ischemia	40	5.0	1.8	*	10.0	4.2	*	10.0	6.8	*
Stroke	54	25.9	19.4	11.1	31.5	25.8	13.1	35.2	30.4	13.3
Hip Fracture	27	11.1	4.7	*	14.8	8.7	*	14.8	11.7	*
Sepsis	8	25.0	37.3	*	37.5	46.7	*	37.5	53.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.4	*	0.0	3.2	*	0.0	5.3	*
Carotid Endarterectomy	2	0.0	1.1	*	50.0	2.0	*	50.0	2.7	*
Hip Replacement/Reconstruction	12	8.3	2.4	*	8.3	4.5	*	8.3	5.9	*
Open Reduction of Hip Fracture	13	15.4	4.2	*	15.4	8.3	*	15.4	11.4	*
Prostatectomy	33	3.0	0.8	*	3.0	1.9	*	3.0	3.1	*
Cholecystectomy	34	0.0	1.8	*	0.0	3.1	*	0.0	4.1	*
Hysterectomy	6	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 175
Occupancy Rate 47
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 43
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 134
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ALIQUIPPA HOSPITAL

Medicare Provider Number: 390176

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,500	7.9	8.7	1.1	12.7	13.0	1.3	15.8	16.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	34	29.4	28.1	*	29.4	31.8	*	29.4	35.1	*
Congestive Heart Failure	112	10.7	14.0	5.4	18.8	22.1	6.0	27.7	28.8	4.6
Pneumonia/Influenza	62	6.5	15.7	6.3	9.7	21.6	7.9	12.9	26.3	9.0
Chronic Obstructive Pulmonary Disease	26	11.5	9.0	*	19.2	15.5	*	30.8	21.2	*
Transient Cerebral Ischemia	36	5.6	1.6	*	8.3	3.6	*	8.3	5.7	*
Stroke	59	16.9	19.4	6.1	22.0	25.4	6.1	23.7	29.9	7.5
Hip Fracture	27	3.7	4.0	*	11.1	7.7	*	11.1	10.3	*
Sepsis	14	35.7	33.5	*	57.1	40.0	*	57.1	46.0	*
PROCEDURES:										
Angioplasty	1	0.0	0.8	*	0.0	1.2	*	0.0	1.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	7.6	*	0.0	12.0	*	10.0	15.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	1.4	*	0.0	2.8	*	0.0	4.0	*
Open Reduction of Hip Fracture	16	6.3	3.8	*	18.8	7.5	*	18.8	10.3	*
Prostatectomy	76	0.0	0.8	1.3	0.0	2.0	2.3	1.3	3.3	2.6
Cholecystectomy	29	0.0	3.1	*	6.9	5.4	*	6.9	6.7	*
Hysterectomy	8	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,466	8.0	7.8	0.9	11.9	12.0	0.9	15.8	15.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	32	25.0	26.1	*	31.3	29.4	*	40.6	33.0	*
Congestive Heart Failure	92	15.2	13.6	4.1	21.7	21.3	4.7	28.3	28.0	5.8
Pneumonia/Influenza	54	5.6	15.1	8.0	11.1	20.6	9.2	14.8	25.0	10.1
Chronic Obstructive Pulmonary Disease	17	0.0	9.7	*	17.6	17.3	*	17.6	23.2	*
Transient Cerebral Ischemia	37	0.0	1.9	*	0.0	4.4	*	2.7	7.1	*
Stroke	65	13.8	17.5	6.3	18.5	23.9	7.1	21.5	28.5	10.0
Hip Fracture	18	5.6	5.7	*	33.3	11.0	*	50.0	15.0	*
Sepsis	12	58.3	30.3	*	58.3	37.6	*	58.3	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.6	*	0.0	5.8	*	7.7	8.8	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.7	*	50.0	5.4	*
Hip Replacement/Reconstruction	15	6.7	2.2	*	6.7	4.2	*	13.3	5.7	*
Open Reduction of Hip Fracture	10	0.0	5.2	*	40.0	10.8	*	50.0	15.2	*
Prostatectomy	101	4.0	1.0	1.6	6.9	2.3	2.4	8.9	3.8	2.9
Cholecystectomy	15	6.7	1.7	*	20.0	2.9	*	20.0	3.8	*
Hysterectomy	9	11.1	1.1	*	11.1	2.4	*	11.1	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ALIQUIPPA HOSPITAL

2500 Hospital Drive
Aliquippa, Pennsylvania 15001
412/857-1212

January 11, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Response to Medicare Hospital Mortality Information
(October 1, 1988 - September 30, 1989)

Dear Mrs. Kappert:

Thank you for this opportunity to respond to the release of mortality rate data.

The hospital specific mortality data reported by HCFA has been carefully reviewed by the Aliquippa Hospital medical staff committees and support staff.

Applying your "rule of thumb" methodology, we were pleased, but not surprised, to find that the differences between our observed mortality rates versus the predicted rates in the categories of All Causes, Stroke and Pneumonia were not statistically meaningful.

Monitoring mortality is an ongoing process at Aliquippa Hospital. An assessment of comparitive findings from a national data base source which encompasses 861,000 records confirms that our percentage of observed deaths continues to remain below predicted levels.

We strongly agree that monitoring mortality is a key element to continuing quality improvement. However, the 90 and 180 day post-hospital admission probability of death determination is neither a valid nor true reflection of a hospital's Medicare quality of care experience and should not be included in future mortality rate presentations.

ALIQUIPPA
HOSPITAL

Again, we appreciate the opportunity to provide this response.

Sincerely,

William R. VanGieson

William R. VanGieson
President and Chief Executive Officer

WRV:dam

ALLEGHENY GENERAL HOSPITAL

320 E North Ave
Pittsburgh, PA 15212

Medicare Provider Number: 390050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,866	7.7	8.5	0.6	11.5	13.1	0.6	15.0	16.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	113	16.8	24.5	5.7	21.2	27.6	5.5	26.5	30.8	5.0
Congestive Heart Failure	149	14.8	14.8	2.9	22.1	23.1	4.4	29.5	29.9	4.1
Pneumonia/Influenza	47	14.9	12.6	*	19.1	17.5	*	23.4	21.4	*
Chronic Obstructive Pulmonary Disease	41	4.9	11.4	*	7.3	17.8	*	14.6	23.2	*
Transient Cerebral Ischemia	52	0.0	1.5	2.1	0.0	3.1	3.6	1.9	4.8	3.8
Stroke	120	29.2	25.1	5.0	37.5	31.1	5.6	43.3	35.4	6.6
Hip Fracture	35	2.9	6.6	*	5.7	11.9	*	8.6	15.4	*
Sepsis	13	53.8	24.6	*	61.5	34.9	*	61.5	40.9	*
PROCEDURES:										
Angioplasty	188	1.6	2.3	1.9	2.7	3.3	2.0	3.7	4.4	1.9
Coronary Artery Bypass Graft	323	4.6	5.8	1.9	7.1	8.4	2.0	8.7	10.0	2.2
Initial Pacemaker Insertion	54	3.7	2.9	2.3	11.1	5.8	3.6	16.7	8.5	6.1
Carotid Endarterectomy	31	3.2	1.5	*	3.2	2.8	*	3.2	3.9	*
Hip Replacement/Reconstruction	62	0.0	1.9	*	0.0	3.8	*	0.0	5.5	*
Open Reduction of Hip Fracture	17	5.9	6.2	*	11.8	11.4	*	17.6	14.8	*
Prostatectomy	70	2.9	1.6	1.7	4.3	3.9	2.4	5.7	6.5	3.5
Cholecystectomy	41	4.9	5.7	*	7.3	9.3	*	14.6	11.6	*
Hysterectomy	26	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	702
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	318
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	152
Registered Nurses	1,103
Licensed Practical Nurses	110

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ALLEGHENY GENERAL HOSPITAL

Medicare Provider Number: 390050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,634	7.6	8.7	0.7	12.5	13.1	0.7	15.7	16.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	143	21.0	25.7	7.8	27.3	29.5	8.1	28.7	33.3	7.3
Congestive Heart Failure	130	13.1	16.1	5.5	21.5	24.8	5.9	30.0	31.9	5.1
Pneumonia/Influenza	46	26.1	14.8	*	34.8	20.5	*	34.8	24.8	*
Chronic Obstructive Pulmonary Disease	58	8.6	10.9	4.6	15.5	17.7	6.4	25.9	23.3	6.5
Transient Cerebral Ischemia	43	2.3	2.1	*	2.3	4.5	*	2.3	6.9	*
Stroke	121	24.0	23.4	4.1	35.5	29.6	5.2	38.0	33.9	6.0
Hip Fracture	48	6.3	7.2	*	10.4	12.7	*	10.4	16.2	*
Sepsis	16	31.3	30.4	*	50.0	40.5	*	50.0	47.1	*
PROCEDURES:										
Angioplasty	144	2.8	3.0	1.5	2.8	3.9	1.9	2.8	4.9	2.6
Coronary Artery Bypass Graft	300	5.3	7.0	1.8	7.3	9.5	2.6	8.3	11.0	2.8
Initial Pacemaker Insertion	54	7.4	7.3	3.5	9.3	11.2	4.7	11.1	14.5	5.8
Carotid Endarterectomy	27	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	50	2.0	2.7	*	4.0	4.9	*	4.0	6.4	*
Open Reduction of Hip Fracture	28	0.0	5.0	*	3.6	9.3	*	3.6	12.2	*
Prostatectomy	70	0.0	1.8	2.2	1.4	4.2	3.3	5.7	6.8	3.3
Cholecystectomy	52	3.8	3.6	3.3	7.7	6.5	3.7	9.6	8.7	4.0
Hysterectomy	26	3.8	1.5	*	3.8	2.8	*	3.8	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,428	6.7	7.5	0.7	11.5	12.1	0.8	15.2	15.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	48	16.7	28.0	*	20.8	31.3	*	27.1	34.6	*
Congestive Heart Failure	79	13.9	14.9	4.7	20.3	22.6	5.1	27.8	29.1	5.2
Pneumonia/Influenza	34	20.6	17.0	*	29.4	24.6	*	35.3	30.5	*
Chronic Obstructive Pulmonary Disease	38	7.9	10.8	*	18.4	18.0	*	26.3	23.6	*
Transient Cerebral Ischemia	30	0.0	1.9	*	0.0	4.0	*	0.0	5.9	*
Stroke	82	20.7	22.1	4.8	29.3	28.5	5.2	32.9	32.7	5.8
Hip Fracture	34	0.0	7.1	*	0.0	12.9	*	2.9	16.8	*
Sepsis	6	16.7	18.8	*	50.0	28.4	*	83.3	34.7	*
PROCEDURES:										
Angioplasty	33	0.0	2.6	*	0.0	3.3	*	0.0	4.2	*
Coronary Artery Bypass Graft	84	7.1	7.0	3.4	10.7	9.9	3.9	13.1	11.5	3.6
Initial Pacemaker Insertion	31	3.2	3.2	*	9.7	5.8	*	12.9	8.2	*
Carotid Endarterectomy	25	0.0	1.4	*	0.0	2.5	*	4.0	3.5	*
Hip Replacement/Reconstruction	56	1.8	2.6	2.3	1.8	5.0	3.6	1.8	6.7	4.5
Open Reduction of Hip Fracture	15	0.0	6.7	*	0.0	13.0	*	6.7	17.4	*
Prostatectomy	63	0.0	1.3	*	1.6	3.2	*	1.6	5.2	*
Cholecystectomy	34	0.0	3.2	*	2.9	6.1	*	2.9	8.5	*
Hysterectomy	22	0.0	0.9	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ALLEGHENY VALLEY HOSPITAL

1301 Carlisle St
Natrona Heights, PA 15065

Medicare Provider Number: 390032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,733	8.9	9.8	0.8	13.5	14.7	1.0	17.1	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	87	25.3	27.5	7.8	31.0	30.7	6.9	34.5	33.9	5.1
Congestive Heart Failure	181	15.5	16.7	4.5	21.5	25.6	4.8	32.0	32.7	3.5
Pneumonia/Influenza	128	17.2	17.5	3.5	22.7	23.3	4.6	25.0	27.9	6.0
Chronic Obstructive Pulmonary Disease	43	14.0	8.5	*	16.3	14.9	*	18.6	20.2	*
Transient Cerebral Ischemia	63	0.0	2.3	2.9	4.8	5.2	2.8	7.9	8.3	3.5
Stroke	91	24.2	22.1	4.7	28.6	28.9	5.3	34.1	33.5	5.2
Hip Fracture	51	0.0	6.1	*	2.0	10.9	*	2.0	14.3	*
Sepsis	54	24.1	36.1	9.1	29.6	43.6	10.0	31.5	50.2	11.0
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	4.9	*	10.0	9.5	*	10.0	13.6	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction	42	0.0	3.2	*	2.4	5.9	*	2.4	8.0	*
Open Reduction of Hip Fracture	29	0.0	5.7	*	0.0	10.7	*	0.0	14.3	*
Prostatectomy	88	1.1	1.7	1.5	2.3	3.8	2.4	3.4	6.2	3.1
Cholecystectomy	47	0.0	2.4	*	0.0	4.1	*	0.0	5.4	*
Hysterectomy	23	4.3	0.5	*	4.3	1.0	*	4.3	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	270
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	138
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	218
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ALLEGHENY VALLEY HOSPITAL

Medicare Provider Number: 390032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,849	9.4	10.2	0.7	13.5	15.2	0.9	16.6	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	96	29.2	30.0	4.9	30.2	33.2	5.5	34.4	36.8	5.5
Congestive Heart Failure	170	16.5	17.1	3.2	20.0	25.4	4.6	27.1	32.2	5.2
Pneumonia/Influenza	124	14.5	18.6	6.6	19.4	24.6	7.9	23.4	29.3	8.0
Chronic Obstructive Pulmonary Disease	35	11.4	13.8	*	11.4	22.0	*	14.3	28.2	*
Transient Cerebral Ischemia	73	2.7	2.2	2.1	4.1	4.7	2.6	6.8	7.5	3.2
Stroke	134	19.4	22.5	4.4	25.4	29.2	5.7	29.9	33.8	5.0
Hip Fracture	51	7.8	8.1	4.6	11.8	14.3	7.2	11.8	18.2	8.4
Sepsis	45	17.8	37.3	*	31.1	45.4	*	35.6	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	20.0	8.7	*	32.0	13.3	*	32.0	17.2	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	38	5.3	4.0	*	7.9	8.2	*	13.2	11.4	*
Open Reduction of Hip Fracture	30	6.7	8.7	*	13.3	16.2	*	13.3	21.0	*
Prostatectomy	82	0.0	1.2	1.5	0.0	2.8	2.9	2.4	4.7	3.0
Cholecystectomy	53	1.9	3.5	2.7	7.5	6.0	3.3	11.3	7.5	4.8
Hysterectomy	16	0.0	1.0	*	0.0	2.2	*	6.3	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,783	9.2	10.4	0.9	14.6	15.5	1.1	18.0	19.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	111	27.0	30.4	5.4	29.7	33.6	6.3	29.7	37.0	7.9
Congestive Heart Failure	161	16.1	18.3	4.8	22.4	27.1	6.5	31.7	34.2	6.6
Pneumonia/Influenza	110	21.8	20.0	4.6	30.0	26.4	5.9	34.5	31.4	6.6
Chronic Obstructive Pulmonary Disease	46	15.2	10.6	*	23.9	17.5	*	30.4	22.8	*
Transient Cerebral Ischemia	56	3.6	2.6	2.9	8.9	5.8	3.7	8.9	9.2	4.0
Stroke	119	16.0	21.1	6.2	22.7	27.9	7.9	25.2	32.3	9.9
Hip Fracture	58	6.9	6.8	4.3	15.5	12.3	6.1	19.0	16.0	6.2
Sepsis	38	21.1	36.8	*	34.2	43.5	*	39.5	49.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	5.6	6.1	*	5.6	11.1	*	5.6	15.5	*
Carotid Endarterectomy	14	0.0	1.4	*	7.1	2.7	*	7.1	4.1	*
Hip Replacement/Reconstruction	34	8.8	4.1	*	14.7	7.7	*	14.7	10.3	*
Open Reduction of Hip Fracture	34	0.0	5.4	*	8.8	10.5	*	11.8	14.1	*
Prostatectomy	90	4.4	1.4	3.6	4.4	3.4	2.3	5.6	5.6	2.5
Cholecystectomy	54	1.9	3.0	2.6	5.6	5.0	3.0	5.6	6.3	3.8
Hysterectomy	16	0.0	0.7	*	0.0	1.3	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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ALLEGHENY
VALLEY
HOSPITAL

1301 Carlisle Street
Natrona Heights
Pennsylvania 15065
412 - 224 - 5100

Direct Dial: (412) 226-7046

January 14, 1991

Medicare ID 390032

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Please include the following comment in the Medicare Hospital Mortality Information publication:

The observed mortality rate for the Initial Pacemaker Insertion procedure is not meaningful for all three (3) years reported because of an insufficient number of cases. Fewer than 50 cases in any category does not permit an estimation of precision and interpretability.

For two of the three years reported, the number of cases was at least 50% less than required for meaningful analysis. For the third year, 1987, the number of cases approximated 75% of the number of cases required for meaningful reporting, and the observed mortality rate fell within the predicted rate.

For all other conditions and procedures for which there was a sufficient number of cases to estimate the standard deviation, Allegheny Valley Hospital fell within the bounds of the 75% prediction level.

Very truly yours,

James J. Fascetti
Vice President/Chief
Financial Officer

JJF:jb

ALLENTOWN HOSPITAL

17th & Chew Sts
Allentown, PA 18102

Medicare Provider Number: 390133

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,846	9.4	10.1	1.1	15.6	15.5	1.3	19.7	19.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	70	30.0	32.7	6.3	35.7	36.2	5.8	42.9	39.9	6.5
Congestive Heart Failure	104	10.6	15.1	5.2	17.3	23.1	6.6	26.0	29.7	6.2
Pneumonia/Influenza	39	20.5	19.3	*	25.6	26.1	*	25.6	31.4	*
Chronic Obstructive Pulmonary Disease	18	16.7	9.1	*	33.3	17.1	*	38.9	24.2	*
Transient Cerebral Ischemia	21	0.0	1.9	*	0.0	4.1	*	0.0	6.7	*
Stroke	74	18.9	21.0	6.9	27.0	27.6	5.3	29.7	32.0	6.1
Hip Fracture	40	5.0	6.3	*	10.0	11.4	*	12.5	14.8	*
Sepsis	25	24.0	27.8	*	24.0	36.6	*	28.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	8.5	*	10.0	11.9	*	10.0	14.5	*
Carotid Endarterectomy	1	0.0	3.7	*	0.0	10.4	*	0.0	18.8	*
Hip Replacement/Reconstruction	31	3.2	3.7	*	6.5	7.7	*	12.9	11.3	*
Open Reduction of Hip Fracture	24	0.0	5.7	*	8.3	10.8	*	8.3	14.5	*
Prostatectomy	50	2.0	1.7	*	4.0	4.0	*	6.0	6.5	*
Cholecystectomy	30	0.0	4.6	*	10.0	8.3	*	16.7	10.5	*
Hysterectomy	59	0.0	0.6	1.2	0.0	1.4	1.9	1.7	2.1	2.1

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	823
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	518
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	56
Registered Nurses	1,233
Licensed Practical Nurses	94

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ALLENTOWN HOSPITAL

Medicare Provider Number: 390133

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,866	10.7	11.0	0.9	16.7	16.6	0.9	21.4	20.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	55	30.9	29.8	6.6	36.4	33.6	7.7	38.2	37.4	7.2
Congestive Heart Failure	104	13.5	18.0	4.9	23.1	26.4	4.8	31.7	33.5	4.9
Pneumonia/Influenza	63	19.0	17.8	5.0	20.6	23.8	5.9	25.4	28.5	6.3
Chronic Obstructive Pulmonary Disease	28	14.3	10.9	*	25.0	18.8	*	32.1	25.5	*
Transient Cerebral Ischemia	13	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Stroke	73	13.7	20.9	7.1	23.3	27.8	7.7	30.1	32.5	5.7
Hip Fracture	62	3.2	6.5	4.2	16.1	12.2	5.9	16.1	16.1	4.7
Sepsis	42	19.0	29.3	*	23.8	37.1	*	26.2	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	11.1	3.2	*	16.7	6.1	*	22.2	8.9	*
Carotid Endarterectomy	7	28.6	1.7	*	28.6	3.4	*	28.6	5.1	*
Hip Replacement/Reconstruction	32	0.0	4.4	*	9.4	9.1	*	12.5	12.6	*
Open Reduction of Hip Fracture	37	2.7	5.1	*	16.2	10.1	*	16.2	13.6	*
Prostatectomy	63	1.6	3.0	2.6	4.8	5.7	3.1	6.3	8.4	4.2
Cholecystectomy	32	3.1	5.5	*	6.3	9.8	*	6.3	12.9	*
Hysterectomy	63	1.6	1.0	2.2	6.3	1.9	3.1	7.9	2.8	4.0

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,870	10.7	11.3	1.1	16.1	16.9	1.4	19.9	21.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	76	30.3	31.2	6.9	36.8	35.0	8.9	38.2	38.5	7.6
Congestive Heart Failure	88	20.5	18.5	4.2	30.7	27.1	5.9	37.5	34.1	5.2
Pneumonia/Influenza	46	15.2	17.4	*	17.4	23.3	*	21.7	28.1	*
Chronic Obstructive Pulmonary Disease	30	13.3	12.0	*	16.7	19.2	*	23.3	24.4	*
Transient Cerebral Ischemia	21	0.0	2.2	*	4.8	4.8	*	4.8	7.7	*
Stroke	90	18.9	23.1	6.6	26.7	30.4	5.6	33.3	35.1	5.3
Hip Fracture	59	8.5	6.8	3.6	11.9	12.3	4.4	13.6	15.9	6.3
Sepsis	45	31.1	32.4	*	35.6	40.0	*	37.8	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	12.5	3.0	*	12.5	6.4	*	12.5	9.8	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	34	5.9	4.5	*	8.8	8.8	*	8.8	11.7	*
Open Reduction of Hip Fracture	31	6.5	5.2	*	9.7	10.0	*	12.9	13.2	*
Prostatectomy	62	3.2	2.1	4.9	11.3	5.1	4.3	14.5	8.2	4.8
Cholecystectomy	38	0.0	3.7	*	0.0	6.3	*	0.0	8.0	*
Hysterectomy	60	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ALLENTOWN OSTEOPATHIC HOSPITAL

1736 Hamilton St
Allentown, PA 18104

Medicare Provider Number: 390242

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,242	8.9	9.1	0.8	14.3	14.2	1.2	17.8	18.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	35	20.0	31.5	*	22.9	34.6	*	25.7	37.8	*
Congestive Heart Failure	69	10.1	15.3	5.9	23.2	23.4	5.7	33.3	30.3	5.9
Pneumonia/Influenza	40	7.5	16.5	*	10.0	22.1	*	15.0	26.7	*
Chronic Obstructive Pulmonary Disease	27	7.4	6.5	*	14.8	11.4	*	22.2	15.9	*
Transient Cerebral Ischemia	30	6.7	1.6	*	10.0	3.7	*	10.0	6.1	*
Stroke	52	17.3	17.5	5.3	25.0	24.5	6.0	26.9	28.9	6.9
Hip Fracture	30	6.7	6.3	*	16.7	11.6	*	20.0	15.3	*
Sepsis	13	15.4	29.7	*	30.8	38.4	*	38.5	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	6.1	*	0.0	9.0	*	0.0	11.8	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	15	6.7	3.9	*	20.0	8.1	*	26.7	11.5	*
Open Reduction of Hip Fracture	15	6.7	6.1	*	13.3	11.0	*	13.3	14.2	*
Prostatectomy	49	4.1	1.2	*	8.2	2.9	*	10.2	4.6	*
Cholecystectomy	23	0.0	3.3	*	17.4	6.7	*	17.4	9.2	*
Hysterectomy	6	16.7	1.1	*	16.7	2.3	*	16.7	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 150
Occupancy Rate 66
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ALLENTOWN OSTEOPATHIC HOSPITAL

Medicare Provider Number: 390242

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,243	8.9	9.3	1.0	14.5	14.0	1.6	17.1	17.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	32	31.3	30.9	*	37.5	34.2	*	40.6	37.9	*
Congestive Heart Failure	75	17.3	16.6	5.6	30.7	24.8	7.1	32.0	31.7	5.4
Pneumonia/Influenza	27	11.1	15.6	*	11.1	21.0	*	14.8	25.4	*
Chronic Obstructive Pulmonary Disease	29	3.4	6.9	*	13.8	12.4	*	13.8	17.4	*
Transient Cerebral Ischemia	43	0.0	1.8	*	2.3	3.8	*	4.7	5.8	*
Stroke	38	28.9	20.6	*	34.2	26.5	*	39.5	30.5	*
Hip Fracture	30	6.7	7.3	*	6.7	13.3	*	10.0	17.2	*
Sepsis	12	33.3	28.6	*	50.0	37.1	*	66.7	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	4.2	*	14.3	8.0	*	28.6	11.4	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	15	0.0	4.0	*	0.0	7.7	*	0.0	10.3	*
Open Reduction of Hip Fracture	13	0.0	6.7	*	0.0	12.5	*	0.0	16.3	*
Prostatectomy	57	3.5	1.1	1.9	8.8	2.7	3.8	8.8	4.4	4.8
Cholecystectomy	32	0.0	2.6	*	6.3	5.1	*	6.3	7.0	*
Hysterectomy	16	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,199	9.3	8.9	0.9	13.3	13.6	1.0	16.8	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	33	18.2	27.6	*	21.2	31.2	*	24.2	34.6	*
Congestive Heart Failure	62	19.4	16.6	5.9	27.4	24.6	6.0	32.3	31.2	5.9
Pneumonia/Influenza	38	5.3	16.4	*	15.8	22.1	*	21.1	26.7	*
Chronic Obstructive Pulmonary Disease	18	5.6	8.7	*	11.1	15.4	*	16.7	20.9	*
Transient Cerebral Ischemia	30	0.0	1.9	*	3.3	3.9	*	3.3	6.2	*
Stroke	43	32.6	23.0	*	34.9	29.5	*	37.2	33.9	*
Hip Fracture	21	4.8	6.3	*	4.8	11.4	*	14.3	14.8	*
Sepsis	12	50.0	40.8	*	50.0	48.8	*	50.0	56.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.4	*	0.0	6.8	*	12.5	9.9	*
Carotid Endarterectomy	6	16.7	1.7	*	16.7	3.2	*	16.7	4.5	*
Hip Replacement/Reconstruction	10	0.0	2.8	*	0.0	5.2	*	0.0	7.0	*
Open Reduction of Hip Fracture	12	8.3	6.4	*	8.3	12.1	*	16.7	15.8	*
Prostatectomy	48	6.3	1.2	*	8.3	2.9	*	10.4	4.7	*
Cholecystectomy	36	2.8	2.6	*	5.6	4.1	*	8.3	5.1	*
Hysterectomy	6	0.0	1.5	*	0.0	3.1	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ALTOONA HOSPITAL

620 Howard Avenue
Altoona, PA 16601

Medicare Provider Number: 390073

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,706	11.6	10.1	0.8	17.1	14.9	1.0	20.8	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	153	28.8	27.2	4.2	32.7	30.5	4.1	35.9	34.0	4.4
Congestive Heart Failure	184	20.7	15.5	3.6	32.1	23.5	5.1	40.2	30.3	5.7
Pneumonia/Influenza	101	21.8	17.3	7.9	28.7	23.5	7.7	33.7	28.2	7.6
Chronic Obstructive Pulmonary Disease	37	10.8	8.4	*	16.2	14.8	*	16.2	20.3	*
Transient Cerebral Ischemia	56	0.0	2.1	5.0	7.1	4.8	5.3	19.6	7.5	4.9
Stroke	108	15.7	19.4	6.2	21.3	25.9	6.6	25.9	30.1	7.4
Hip Fracture	77	6.5	7.1	3.5	13.0	12.6	3.9	18.2	16.2	4.7
Sepsis	35	31.4	31.5	*	42.9	39.3	*	42.9	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	4.2	*	0.0	5.5	*	0.0	6.3	*
Initial Pacemaker Insertion	20	5.0	4.0	*	15.0	6.9	*	20.0	9.5	*
Carotid Endarterectomy	14	0.0	1.6	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	33	6.1	4.1	*	6.1	7.6	*	6.1	10.0	*
Open Reduction of Hip Fracture	44	4.5	7.4	*	15.9	13.7	*	25.0	17.9	*
Prostatectomy	79	2.5	1.2	2.1	7.6	2.9	3.9	7.6	4.7	4.8
Cholecystectomy	63	4.8	3.4	2.6	4.8	6.1	3.3	7.9	8.0	3.6
Hysterectomy	27	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	316
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	134
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	14
Registered Nurses	356
Licensed Practical Nurses	49

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ALTOONA HOSPITAL

Medicare Provider Number: 390073

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,880	10.9	10.2	0.8	15.3	15.0	0.7	19.0	18.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	157	32.5	32.0	4.2	35.7	35.8	4.0	40.1	39.6	4.8
Congestive Heart Failure	176	19.3	15.3	6.3	27.8	23.3	7.3	32.4	29.9	6.8
Pneumonia/Influenza	79	12.7	16.7	7.1	17.7	22.2	8.0	22.8	26.6	6.7
Chronic Obstructive Pulmonary Disease	32	6.3	8.3	*	12.5	14.2	*	18.8	19.5	*
Transient Cerebral Ischemia	64	0.0	2.2	3.1	1.6	4.7	4.8	6.3	7.4	4.5
Stroke	114	16.7	22.2	5.8	24.6	29.1	6.4	26.3	33.7	8.1
Hip Fracture	82	12.2	7.3	5.3	17.1	13.0	5.5	23.2	16.6	6.4
Sepsis	39	33.3	29.1	*	35.9	37.0	*	38.5	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	6.0	*	0.0	9.3	*	8.3	12.2	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	37	10.8	4.8	*	10.8	9.0	*	13.5	11.6	*
Open Reduction of Hip Fracture	48	8.3	6.6	*	14.6	12.4	*	20.8	16.1	*
Prostatectomy	82	1.2	1.3	1.2	2.4	2.6	1.8	3.7	4.1	2.5
Cholecystectomy	83	2.4	2.1	1.6	6.0	3.6	2.3	9.6	4.8	3.3
Hysterectomy	34	2.9	1.0	*	5.9	2.1	*	5.9	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,996	9.0	9.5	0.6	14.8	14.2	0.9	18.5	17.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	132	24.2	29.6	4.8	29.5	32.6	4.4	31.1	35.8	4.7
Congestive Heart Failure	169	16.0	17.0	2.9	28.4	25.4	3.6	39.6	32.4	4.8
Pneumonia/Influenza	71	22.5	17.0	9.3	29.6	22.9	8.5	32.4	27.5	7.7
Chronic Obstructive Pulmonary Disease	59	11.9	9.6	4.3	15.3	16.3	4.9	20.3	21.5	5.4
Transient Cerebral Ischemia	83	2.4	2.1	1.6	7.2	4.4	2.9	9.6	6.7	3.5
Stroke	111	14.4	21.1	7.0	23.4	28.2	6.1	28.8	32.7	5.5
Hip Fracture	69	11.6	9.0	3.9	23.2	15.5	6.6	29.0	19.4	9.0
Sepsis	33	18.2	27.1	*	21.2	34.4	*	27.3	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	4.1	*	4.2	7.9	*	8.3	11.4	*
Carotid Endarterectomy	28	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	39	12.8	7.6	*	23.1	13.4	*	28.2	16.9	*
Open Reduction of Hip Fracture	32	6.3	7.4	*	12.5	13.3	*	15.6	17.0	*
Prostatectomy	97	0.0	1.7	1.9	2.1	4.3	3.2	4.1	7.1	4.4
Cholecystectomy	63	6.3	4.5	4.5	7.9	7.5	5.7	12.7	9.8	4.8
Hysterectomy	39	2.6	0.6	*	2.6	1.3	*	2.6	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

17.1

620 HOWARD AVENUE
ALTOONA, PA 16601-4899

814/946-2223
Fax 814/946-7808

ALBERT C. KNAUSS
PRESIDENT/CHIEF EXECUTIVE OFFICER

altoona hospital
CENTER FOR MEDICINE

Medicare #390073

January 14, 1991

Mrs. Sandra Kappert
Healthcare Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Boulevard
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Comparative data are helpful in measuring the quality of care provided our patients. They can point to areas in which there are statistically significant differences from the mean. The causes of these variances must be investigated through peer review mechanisms, to determine if they are related to quality issues at the Institution, or to other factors beyond the control of the Hospital and its physicians.

We are gratified to see that for the three fiscal years covered in this report, we are within the 95th percentile in all but three items. Considering the number of observations reported, it is predictable that even a hospital with no quality problems at all, will have a high probability of showing unusually high values in some cases, by chance alone.

We have an ongoing Quality Assessment Program. Mortality review is part of this process. Mortality alone is not a good marker for quality since, inevitably, all patients do die. Although the currently used methodology attempts to correct for co-morbidity, review of many of the cases demonstrates that this is inadequate as presently performed.

We have looked, and are continuing to look, at areas where there may be variances. In particular, we have reviewed deaths associated with previous admissions for transient cerebral ischemia. This was an area where we were above the 95th percentile at 180 days. Deaths in patients who had been admitted for this category were often from other unrelated causes. Transient ischemic attacks are a marker for other vascular problems such as heart disease. Several of these patients died of metastatic cancer unassociated with the cerebral ischemia. The significance of death 90 to 180 days after a hospital admission is unclear.

The overall mortality was within the 95th percentile at 30 days after admission. At the 90- and 180-day levels in Fiscal Year 1989, we were above the 95th percentile. As a result of this, we did look at deaths in our most common category, congestive heart failure. We were within

Medicare #390073

the 95th percentile in this group during Fiscal Year 1989, but we reviewed it because of the high number of patients. We did find that in addition to congestive heart failure, which itself is a deadly condition, there were a large number of patients who died with a variety of other concurrent illnesses, including cancer, peripheral vascular disease, diabetes mellitus, renal failure, CVA, Alzheimer's disease, and chronic lung disease. Thirty-six percent of the patients who died in this category were 80 years of age or older, and 15 percent were 90 years of age and older. A total of over 50 percent, therefore, were 80 years of age and older. Incidentally, there was one error in assigning a date of death to a patient. Many of the patients died in nursing homes from which they had been admitted to the Hospital in the first place. Again, the significance of deaths six months after an admission is obscure.

The Altoona Hospital will continue to be committed to quality improvement and will analyze data looking for areas in which we can improve.

Sincerely,

Albert C. Knauss
President/Chief Executive Officer

dms

AMERICAN ONCOLOGIC HOSPITAL

Central Shelmire Aves
Philadelphia, PA 19111

Medicare Provider Number: 390196

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	433	12.9	13.0	1.8	26.1	24.9	2.3	36.5	34.5	2.9
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	9.1	*	0.0	14.9	*	0.0	20.4	*
Pneumonia/Influenza	5	20.0	19.6	*	40.0	28.4	*	40.0	35.2	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.4	*	0.0	17.4	*	0.0	25.1	*
Transient Cerebral Ischemia	0									
Stroke	2	50.0	26.1	*	50.0	37.1	*	50.0	43.7	*
Hip Fracture	0									
Sepsis	1	0.0	21.1	*	0.0	36.9	*	0.0	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	1.3	*	0.0	3.7	*	16.7	6.6	*
Cholecystectomy	5	0.0	9.7	*	20.0	23.4	*	20.0	36.6	*
Hysterectomy	10	0.0	2.4	*	0.0	5.7	*	20.0	9.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	100
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	225
Percent of Physicians Board Certified Specialists	93
Medical Residents/Interns	6
Registered Nurses	209
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

AMERICAN ONCOLOGIC HOSPITAL

Medicare Provider Number: 390196

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	457	13.6	13.3	1.6	26.0	24.5	2.4	33.3	33.0	2.2
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	49.0	*	100.0	57.3	*	100.0	63.5	*
Congestive Heart Failure	1	100.0	34.4	*	100.0	62.7	*	100.0	79.7	*
Pneumonia/Influenza	5	40.0	30.3	*	40.0	42.0	*	60.0	49.5	*
Chronic Obstructive Pulmonary Disease	3	33.3	8.9	*	33.3	17.1	*	33.3	24.4	*
Transient Cerebral Ischemia	2	0.0	3.3	*	0.0	8.6	*	0.0	14.7	*
Stroke	0									
Hip Fracture	0									
Sepsis	5	20.0	28.2	*	60.0	42.4	*	60.0	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	4	0.0	8.7	*	0.0	20.4	*	0.0	30.8	*
Hysterectomy	11	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	380	16.6	12.6	2.4	28.9	24.3	3.1	39.7	33.8	3.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	66.7	20.6	*	66.7	33.8	*	66.7	43.6	*
Pneumonia/Influenza	8	62.5	24.2	*	75.0	35.7	*	87.5	44.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	33.4	*	100.0	57.1	*	100.0	69.7	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	1	100.0	16.1	*	100.0	32.4	*	100.0	45.6	*
Sepsis	1	100.0	39.6	*	100.0	66.8	*	100.0	80.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	9.0	*	0.0	21.4	*	0.0	33.5	*
Open Reduction of Hip Fracture	1	100.0	14.0	*	100.0	29.6	*	100.0	42.7	*
Prostatectomy	12	0.0	1.8	*	0.0	4.7	*	0.0	8.2	*
Cholecystectomy	2	0.0	14.6	*	0.0	27.8	*	0.0	35.7	*
Hysterectomy	7	0.0	3.2	*	0.0	7.4	*	0.0	11.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ANDREW KAUL MEMORIAL HOSPITAL

Johnsonburg Rd
Saint Marys, PA 15857

Medicare Provider Number: 390154

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	756	9.8	9.2	1.2	14.0	14.0	1.3	16.8	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	24.4	*	32.0	27.5	*	32.0	30.9	*
Congestive Heart Failure	40	25.0	15.7	*	42.5	25.0	*	47.5	32.6	*
Pneumonia/Influenza	40	17.5	21.9	*	25.0	29.4	*	30.0	34.6	*
Chronic Obstructive Pulmonary Disease	13	15.4	10.3	*	15.4	17.8	*	15.4	24.0	*
Transient Cerebral Ischemia	22	0.0	1.9	*	0.0	4.2	*	9.1	6.7	*
Stroke	22	22.7	17.0	*	27.3	22.5	*	27.3	26.5	*
Hip Fracture	24	4.2	6.4	*	4.2	11.6	*	12.5	15.3	*
Sepsis	5	0.0	24.8	*	0.0	33.1	*	0.0	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.5	*	33.3	5.1	*	33.3	7.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	5.6	*	0.0	10.4	*	7.7	13.5	*
Open Reduction of Hip Fracture	12	8.3	5.0	*	8.3	9.9	*	16.7	13.5	*
Prostatectomy	4	0.0	0.6	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	13	7.7	3.7	*	7.7	6.8	*	7.7	8.9	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	233
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	0
Registered Nurses	50
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ANDREW KAUL MEMORIAL HOSPITAL

Medicare Provider Number: 390154

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	710	12.4	9.3	1.6	17.3	14.2	1.9	20.7	18.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	25.4	*	38.9	29.0	*	38.9	32.7	*
Congestive Heart Failure	44	13.6	15.6	*	25.0	23.8	*	31.8	30.6	*
Pneumonia/Influenza	49	32.7	19.3	*	38.8	26.2	*	44.9	31.3	*
Chronic Obstructive Pulmonary Disease	16	0.0	7.9	*	0.0	13.6	*	0.0	18.6	*
Transient Cerebral Ischemia	18	0.0	2.4	*	5.6	5.5	*	11.1	8.8	*
Stroke	32	18.8	19.5	*	37.5	26.0	*	43.8	30.7	*
Hip Fracture	21	14.3	6.2	*	28.6	11.7	*	33.3	15.3	*
Sepsis	10	50.0	25.3	*	60.0	34.4	*	60.0	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	*	0.0	3.4	*	0.0	5.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	16.7	5.2	*	25.0	10.2	*	33.3	13.8	*
Open Reduction of Hip Fracture	10	10.0	5.6	*	30.0	11.1	*	30.0	14.8	*
Prostatectomy	13	0.0	0.8	*	7.7	1.9	*	7.7	3.1	*
Cholecystectomy	16	6.3	3.7	*	6.3	7.0	*	18.8	9.2	*
Hysterectomy	3	0.0	1.3	*	0.0	2.0	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	789	7.1	9.1	1.5	12.9	13.7	1.5	16.6	17.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	25.1	*	19.0	27.8	*	23.8	30.7	*
Congestive Heart Failure	48	12.5	17.3	*	22.9	25.9	*	33.3	33.1	*
Pneumonia/Influenza	34	8.8	16.1	*	20.6	21.8	*	20.6	26.4	*
Chronic Obstructive Pulmonary Disease	20	10.0	6.5	*	15.0	11.7	*	25.0	16.3	*
Transient Cerebral Ischemia	17	5.9	2.6	*	17.6	5.8	*	23.5	9.4	*
Stroke	38	21.1	22.3	*	34.2	29.2	*	44.7	34.0	*
Hip Fracture	18	5.6	8.1	*	11.1	14.5	*	11.1	18.5	*
Sepsis	6	16.7	36.1	*	33.3	42.1	*	50.0	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	6.2	*	0.0	9.8	*	0.0	12.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	7.1	*	14.3	13.2	*	14.3	17.1	*
Open Reduction of Hip Fracture	12	8.3	7.1	*	8.3	13.4	*	8.3	17.5	*
Prostatectomy	16	0.0	1.0	*	6.3	2.3	*	6.3	3.9	*
Cholecystectomy	24	0.0	3.0	*	4.2	5.5	*	4.2	7.2	*
Hysterectomy	4	0.0	2.3	*	0.0	5.1	*	0.0	7.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ARMSTRONG COUNTY MEMORIAL HOSPITAL

rd 8, Box 50
Kittanning, PA 16201

Medicare Provider Number: 390163

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,082	9.9	8.9	1.0	14.8	13.8	1.1	18.4	17.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	60	31.7	26.1	10.5	36.7	29.3	11.5	40.0	32.8	11.8
Congestive Heart Failure	132	20.5	15.5	4.3	29.5	24.6	4.7	39.4	32.0	5.9
Pneumonia/Influenza	111	22.5	18.4	5.9	28.8	25.3	5.9	33.3	30.5	5.6
Chronic Obstructive Pulmonary Disease	32	0.0	5.9	*	9.4	11.3	*	18.8	16.2	*
Transient Cerebral Ischemia	38	2.6	2.3	*	7.9	5.3	*	10.5	8.5	*
Stroke	77	19.5	18.3	6.5	24.7	25.3	6.5	28.6	29.8	5.7
Hip Fracture	29	13.8	6.0	*	17.2	11.3	*	17.2	14.8	*
Sepsis	10	20.0	25.0	*	20.0	34.1	*	30.0	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	2.9	*	12.5	5.9	*	12.5	9.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	5.0	1.5	*	10.0	2.8	*	10.0	3.8	*
Open Reduction of Hip Fracture	14	7.1	5.4	*	7.1	10.1	*	7.1	13.3	*
Prostatectomy	61	0.0	1.2	2.2	1.6	2.9	2.5	1.6	4.8	4.0
Cholecystectomy	40	0.0	2.8	*	0.0	5.4	*	5.0	7.3	*
Hysterectomy	12	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	200
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	59
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	215
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ARMSTRONG COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 390163

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,161	8.4	8.6	0.7	13.4	13.2	0.8	16.7	17.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	65	29.2	28.9	6.0	35.4	31.7	6.7	36.9	34.8	8.1
Congestive Heart Failure	137	16.1	15.3	3.8	26.3	23.8	4.2	30.7	30.7	5.0
Pneumonia/Influenza	93	15.1	16.0	3.9	24.7	21.7	5.0	26.9	26.3	4.6
Chronic Obstructive Pulmonary Disease	47	10.6	7.4	*	12.8	13.4	*	14.9	18.9	*
Transient Cerebral Ischemia	51	3.9	2.0	2.6	9.8	4.5	5.7	11.8	7.0	8.8
Stroke	81	16.0	19.0	4.7	28.4	26.2	5.1	35.8	30.9	6.7
Hip Fracture	36	8.3	6.0	*	16.7	11.3	*	22.2	14.9	*
Sepsis	21	33.3	31.3	*	47.6	40.5	*	61.9	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	5.8	*	10.5	10.6	*	15.8	14.7	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	36	0.0	2.1	*	5.6	4.2	*	11.1	5.7	*
Open Reduction of Hip Fracture	13	0.0	5.9	*	7.7	11.6	*	7.7	15.5	*
Prostatectomy	96	0.0	1.2	2.3	3.1	3.0	3.0	7.3	5.0	3.8
Cholecystectomy	36	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hysterectomy	15	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,086	8.4	8.5	0.7	13.6	13.1	0.8	16.8	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	34.3	29.1	5.8	43.3	31.9	6.8	46.3	35.1	6.9
Congestive Heart Failure	143	18.9	16.7	4.2	29.4	25.8	5.2	33.6	33.1	5.2
Pneumonia/Influenza	85	14.1	15.8	5.1	18.8	21.6	5.5	25.9	26.4	4.9
Chronic Obstructive Pulmonary Disease	40	10.0	9.2	*	15.0	15.6	*	17.5	20.7	*
Transient Cerebral Ischemia	49	0.0	2.1	*	0.0	4.7	*	2.0	7.4	*
Stroke	57	12.3	18.6	7.3	22.8	26.2	7.1	24.6	30.9	9.5
Hip Fracture	35	8.6	6.2	*	22.9	11.7	*	25.7	15.4	*
Sepsis	27	33.3	29.2	*	40.7	37.1	*	44.4	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	2.4	*	4.5	5.2	*	4.5	8.0	*
Carotid Endarterectomy	4	25.0	1.4	*	50.0	2.6	*	50.0	3.7	*
Hip Replacement/Reconstruction	27	3.7	2.5	*	11.1	5.3	*	11.1	7.5	*
Open Reduction of Hip Fracture	15	0.0	5.4	*	6.7	10.3	*	13.3	13.4	*
Prostatectomy	71	2.8	0.9	1.9	4.2	2.2	3.3	7.0	3.8	4.9
Cholecystectomy	39	0.0	2.4	*	5.1	3.8	*	5.1	4.8	*
Hysterectomy	16	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ASHLAND STATE GENERAL HOSPITAL

Route 61
Ashland, PA 17921

Medicare Provider Number: 390181

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	980	9.1	9.4	1.3	14.2	13.9	1.4	17.6	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	27.4	*	26.9	31.3	*	30.8	34.8	*
Congestive Heart Failure	67	13.4	13.4	4.3	22.4	21.1	5.3	29.9	27.6	6.5
Pneumonia/Influenza	104	8.7	15.7	5.1	14.4	21.3	6.0	17.3	25.9	6.5
Chronic Obstructive Pulmonary Disease	15	13.3	6.3	*	13.3	11.2	*	13.3	15.8	*
Transient Cerebral Ischemia	20	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*
Stroke	35	8.6	21.4	*	20.0	27.0	*	25.7	31.4	*
Hip Fracture	17	11.8	6.7	*	23.5	11.8	*	29.4	15.2	*
Sepsis	14	7.1	40.4	*	14.3	46.3	*	21.4	52.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.3	*	0.0	4.0	*	16.7	5.4	*
Open Reduction of Hip Fracture	12	8.3	6.4	*	25.0	11.9	*	25.0	15.5	*
Prostatectomy	37	2.7	2.0	*	10.8	3.9	*	13.5	6.1	*
Cholecystectomy	29	0.0	3.3	*	3.4	5.2	*	6.9	6.3	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 117
Occupancy Rate 62
Ownership/Control ..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 59
Percent of Physicians Board Certified Specialists 58
Medical Residents/Interns 0
Registered Nurses 87
Licensed Practical Nurses 35

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ASHLAND STATE GENERAL HOSPITAL

Medicare Provider Number: 390181

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,152	10.6	10.1	1.0	16.5	14.9	1.4	20.1	18.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	49	32.7	28.3	*	46.9	31.7	*	51.0	35.2	*
Congestive Heart Failure	83	12.0	15.9	4.6	22.9	24.1	5.6	32.5	30.7	5.2
Pneumonia/Influenza	88	17.0	19.5	4.5	27.3	25.9	5.0	33.0	30.9	5.1
Chronic Obstructive Pulmonary Disease	15	20.0	6.7	*	20.0	11.1	*	26.7	15.2	*
Transient Cerebral Ischemia	24	12.5	2.3	*	12.5	4.9	*	12.5	7.6	*
Stroke	38	21.1	24.8	*	34.2	32.7	*	39.5	37.8	*
Hip Fracture	23	8.7	5.3	*	17.4	9.6	*	17.4	12.6	*
Sepsis	7	14.3	35.5	*	14.3	43.1	*	14.3	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	37.9	*	100.0	41.9	*	100.0	47.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	3.6	*	20.0	7.0	*	20.0	9.4	*
Open Reduction of Hip Fracture	17	11.8	4.3	*	17.6	8.3	*	17.6	11.1	*
Prostatectomy	55	0.0	2.3	2.7	1.8	4.8	3.6	3.6	7.4	4.6
Cholecystectomy	14	28.6	4.4	*	28.6	8.2	*	28.6	11.1	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,176	10.3	10.3	0.9	14.2	15.1	1.4	17.8	18.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	50	28.0	31.1	*	28.0	35.0	*	30.0	38.3	*
Congestive Heart Failure	86	23.3	18.6	7.8	33.7	27.4	9.6	38.4	34.1	7.2
Pneumonia/Influenza	76	11.8	19.3	5.7	18.4	25.4	6.7	19.7	30.4	7.8
Chronic Obstructive Pulmonary Disease	22	4.5	12.8	*	9.1	21.0	*	18.2	27.2	*
Transient Cerebral Ischemia	45	0.0	1.9	*	2.2	4.1	*	6.7	6.3	*
Stroke	31	22.6	23.7	*	32.3	30.8	*	35.5	35.7	*
Hip Fracture	24	12.5	6.6	*	12.5	11.6	*	12.5	14.9	*
Sepsis	14	14.3	32.0	*	14.3	38.5	*	28.6	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.5	*	0.0	5.0	*	25.0	7.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	4.3	*	14.3	7.2	*	14.3	9.1	*
Open Reduction of Hip Fracture	17	11.8	5.6	*	11.8	10.6	*	11.8	14.2	*
Prostatectomy	57	1.8	1.6	1.7	1.8	3.9	2.9	3.5	6.4	4.0
Cholecystectomy	22	9.1	3.0	*	9.1	5.5	*	9.1	7.2	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BARNES KASSON COUNTY HOSPITAL

400 Turnpike St
Susquehanna, PA 18847

Medicare Provider Number: 390224

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	389	9.0	8.7	1.5	13.4	13.7	1.8	15.9	18.0	2.5
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	39.0	*	42.9	43.8	*	42.9	47.9	*
Congestive Heart Failure	27	18.5	17.9	*	25.9	27.1	*	33.3	34.4	*
Pneumonia/Influenza	30	6.7	17.7	*	13.3	24.2	*	23.3	29.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	6	0.0	2.4	*	16.7	5.4	*	16.7	8.7	*
Stroke	16	12.5	16.8	*	25.0	23.1	*	25.0	27.2	*
Hip Fracture	0									
Sepsis	6	50.0	24.3	*	50.0	32.1	*	50.0	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 101
Occupancy Rate 85
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BARNES KASSON COUNTY HOSPITAL

Medicare Provider Number: 390224

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	420	5.7	8.1	2.3	9.0	12.5	3.0	13.3	16.2	3.2
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	29.2	*	14.3	33.6	*	14.3	37.1	*
Congestive Heart Failure	34	17.6	16.6	*	23.5	25.1	*	29.4	32.0	*
Pneumonia/Influenza	24	4.2	15.7	*	12.5	21.1	*	16.7	25.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.2	*	0.0	6.7	*
Stroke	21	23.8	19.9	*	38.1	27.7	*	42.9	32.3	*
Hip Fracture	0									
Sepsis	2	0.0	15.7	*	0.0	20.2	*	0.0	24.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	4	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	381	7.3	9.2	1.9	11.0	13.7	2.6	14.4	17.6	3.3
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	37.1	*	42.9	41.8	*	57.1	45.7	*
Congestive Heart Failure	27	14.8	16.8	*	25.9	24.9	*	29.6	31.7	*
Pneumonia/Influenza	27	7.4	15.9	*	11.1	21.3	*	11.1	25.8	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.0	*	0.0	12.8	*	0.0	17.5	*
Transient Cerebral Ischemia	4	0.0	1.9	*	0.0	4.0	*	0.0	6.4	*
Stroke	22	22.7	26.4	*	36.4	34.7	*	36.4	39.8	*
Hip Fracture	2	0.0	7.5	*	0.0	14.7	*	0.0	19.5	*
Sepsis	2	0.0	13.6	*	0.0	18.0	*	0.0	22.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*
Hysterectomy	1	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BERWICK HOSPITAL

701 East 16th St
Berwick, PA 18603

Medicare Provider Number: 390072

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,212	7.2	8.9	0.9	10.5	13.3	1.2	12.9	17.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	37	18.9	30.4	*	21.6	33.5	*	27.0	37.2	*
Congestive Heart Failure	67	17.9	15.3	4.6	31.3	23.7	6.8	32.8	30.7	5.8
Pneumonia/Influenza	63	12.7	16.8	6.7	12.7	22.6	10.0	19.0	27.0	10.5
Chronic Obstructive Pulmonary Disease	46	4.3	8.0	*	6.5	13.8	*	6.5	18.7	*
Transient Cerebral Ischemia	25	0.0	1.8	*	4.0	4.0	*	8.0	6.5	*
Stroke	57	12.3	20.8	11.3	21.1	27.0	11.5	26.3	31.7	9.7
Hip Fracture	20	10.0	5.9	*	15.0	10.5	*	15.0	13.7	*
Sepsis	8	50.0	24.0	*	50.0	31.2	*	50.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.7	*	0.0	6.0	*	0.0	9.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	22.2	5.1	*	22.2	9.5	*	22.2	12.6	*
Open Reduction of Hip Fracture	10	0.0	5.9	*	10.0	10.8	*	10.0	14.3	*
Prostatectomy	25	0.0	1.8	*	4.0	4.1	*	4.0	6.5	*
Cholecystectomy	21	4.8	1.8	*	9.5	3.0	*	9.5	3.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 299
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 38
Percent of Physicians Board Certified Specialists 71
Medical Residents/Interns 0
Registered Nurses 97
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BERWICK HOSPITAL

Medicare Provider Number: 390072

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,297	6.6	8.4	1.0	10.3	12.7	1.3	12.7	16.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	34.2	*	31.4	38.0	*	31.4	42.3	*
Congestive Heart Failure	78	14.1	15.8	4.7	21.8	24.3	7.6	26.9	31.2	8.4
Pneumonia/Influenza	53	3.8	17.1	7.2	7.5	23.0	8.1	11.3	27.6	8.4
Chronic Obstructive Pulmonary Disease	56	5.4	9.7	6.2	12.5	16.8	8.0	17.9	23.0	10.1
Transient Cerebral Ischemia	30	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
Stroke	46	19.6	22.3	*	28.3	28.7	*	34.8	33.5	*
Hip Fracture	25	4.0	6.6	*	8.0	11.8	*	8.0	15.2	*
Sepsis	10	20.0	29.5	*	40.0	36.6	*	40.0	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	6.2	*	20.0	11.8	*	40.0	16.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	4.5	*	6.7	8.5	*	6.7	11.3	*
Open Reduction of Hip Fracture	10	0.0	7.0	*	0.0	12.8	*	0.0	16.5	*
Prostatectomy	39	2.6	0.9	*	2.6	2.2	*	2.6	3.8	*
Cholecystectomy	18	0.0	2.5	*	0.0	5.0	*	0.0	7.2	*
Hysterectomy	6	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,203	7.1	8.9	1.0	10.8	13.1	1.4	13.4	16.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	47	21.3	33.3	*	27.7	36.8	*	31.9	40.7	*
Congestive Heart Failure	75	9.3	15.2	8.4	17.3	23.4	9.2	24.0	30.3	8.9
Pneumonia/Influenza	44	4.5	16.6	*	6.8	22.2	*	9.1	26.8	*
Chronic Obstructive Pulmonary Disease	44	4.5	10.1	*	6.8	16.6	*	11.4	21.6	*
Transient Cerebral Ischemia	36	2.8	1.7	*	2.8	3.7	*	5.6	5.9	*
Stroke	52	19.2	21.9	7.1	23.1	28.2	9.1	23.1	33.0	10.3
Hip Fracture	13	7.7	7.4	*	7.7	13.2	*	7.7	17.1	*
Sepsis	9	0.0	25.9	*	0.0	34.9	*	0.0	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.6	*	10.0	8.2	*	20.0	11.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	5.9	*	8.3	10.7	*	8.3	13.8	*
Open Reduction of Hip Fracture	4	0.0	7.3	*	0.0	14.6	*	0.0	19.9	*
Prostatectomy	34	2.9	1.1	*	5.9	2.5	*	5.9	4.0	*
Cholecystectomy	14	0.0	1.8	*	0.0	3.1	*	0.0	4.0	*
Hysterectomy	2	0.0	4.4	*	0.0	9.4	*	50.0	13.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BLOOMSBURG HOSPITAL

549 E Fair St
Bloomsburg, PA 17815

Medicare Provider Number: 390003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,017	11.5	9.3	1.3	16.4	13.6	1.4	20.0	17.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	24.8	*	31.3	28.2	*	33.3	31.6	*
Congestive Heart Failure	35	22.9	13.9	*	25.7	21.5	*	31.4	28.0	*
Pneumonia/Influenza	75	26.7	17.2	7.8	32.0	23.2	7.8	36.0	28.0	8.0
Chronic Obstructive Pulmonary Disease	22	0.0	4.9	*	13.6	9.3	*	22.7	13.3	*
Transient Cerebral Ischemia	20	0.0	1.8	*	5.0	4.1	*	5.0	6.7	*
Stroke	43	30.2	22.4	*	44.2	28.7	*	48.8	33.4	*
Hip Fracture	36	5.6	5.9	*	8.3	10.6	*	16.7	13.9	*
Sepsis	12	16.7	28.6	*	16.7	37.6	*	16.7	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.4	*	8.3	5.8	*	8.3	8.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	13.3	3.6	*	13.3	6.9	*	20.0	9.3	*
Open Reduction of Hip Fracture	28	3.6	5.0	*	3.6	9.2	*	14.3	12.3	*
Prostatectomy	34	0.0	1.0	*	2.9	2.4	*	2.9	4.1	*
Cholecystectomy	15	0.0	2.1	*	20.0	4.0	*	20.0	5.6	*
Hysterectomy	11	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 125
Occupancy Rate 44
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 43
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 0
Registered Nurses 95
Licensed Practical Nurses 24

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BLOOMSBURG HOSPITAL

Medicare Provider Number: 390003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,110	11.4	9.0	1.0	16.5	13.5	1.3	20.6	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	41	12.2	29.9	*	22.0	33.1	*	26.8	37.0	*
Congestive Heart Failure	65	32.3	15.8	6.7	36.9	24.0	6.6	44.6	30.7	7.1
Pneumonia/Influenza	68	26.5	15.6	6.6	38.2	20.9	7.7	42.6	25.3	8.9
Chronic Obstructive Pulmonary Disease	26	15.4	7.3	*	19.2	13.1	*	23.1	18.3	*
Transient Cerebral Ischemia	29	6.9	2.4	*	6.9	5.5	*	13.8	8.7	*
Stroke	47	19.1	22.7	*	29.8	29.0	*	38.3	33.9	*
Hip Fracture	34	0.0	5.7	*	2.9	10.4	*	5.9	13.5	*
Sepsis	10	20.0	31.8	*	40.0	37.9	*	40.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	11.6	*	14.3	14.8	*	14.3	17.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.5	*	0.0	4.8	*	0.0	6.4	*
Open Reduction of Hip Fracture	27	0.0	4.8	*	3.7	9.2	*	7.4	12.3	*
Prostatectomy	51	0.0	0.9	1.6	0.0	2.4	3.0	2.0	4.0	3.3
Cholecystectomy	17	11.8	1.1	*	11.8	1.9	*	11.8	2.5	*
Hysterectomy	13	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,019	11.1	9.4	1.1	15.6	13.9	1.4	19.3	17.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	30.6	*	27.5	34.1	*	30.0	37.8	*
Congestive Heart Failure	48	20.8	15.6	*	37.5	23.6	*	47.9	30.4	*
Pneumonia/Influenza	53	26.4	17.0	6.2	28.3	23.2	6.1	30.2	28.4	6.2
Chronic Obstructive Pulmonary Disease	16	6.3	9.0	*	18.8	15.6	*	25.0	21.2	*
Transient Cerebral Ischemia	31	3.2	2.2	*	6.5	4.7	*	9.7	7.5	*
Stroke	48	27.1	22.8	*	31.3	29.1	*	39.6	34.1	*
Hip Fracture	33	6.1	5.7	*	9.1	10.5	*	12.1	14.0	*
Sepsis	18	27.8	30.6	*	33.3	36.1	*	44.4	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	7.8	*	0.0	11.5	*	0.0	13.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	2.1	*	0.0	4.3	*	0.0	6.0	*
Open Reduction of Hip Fracture	22	4.5	4.8	*	9.1	9.6	*	13.6	13.2	*
Prostatectomy	44	0.0	0.9	*	0.0	2.0	*	2.3	3.3	*
Cholecystectomy	17	0.0	1.2	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	9	11.1	1.4	*	11.1	2.9	*	22.2	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRADDOCK MEDICAL CENTER

400 Holland Ave
Braddock, PA 15104

Medicare Provider Number: 390128

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,890	8.4	9.9	1.2	14.0	14.8	1.0	17.4	18.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	78	24.4	30.9	6.1	26.9	34.2	6.6	28.2	37.8	7.7
Congestive Heart Failure	129	10.9	14.5	5.0	21.7	22.2	7.5	27.1	28.7	5.3
Pneumonia/Influenza	59	16.9	17.4	5.2	23.7	23.5	6.1	27.1	28.3	6.0
Chronic Obstructive Pulmonary Disease	32	6.3	8.0	*	15.6	14.1	*	18.8	19.5	*
Transient Cerebral Ischemia	33	0.0	1.9	*	0.0	4.4	*	3.0	7.0	*
Stroke	58	8.6	19.0	8.6	19.0	25.3	7.9	24.1	29.4	7.6
Hip Fracture	31	9.7	7.7	*	25.8	13.4	*	29.0	17.0	*
Sepsis	21	28.6	29.1	*	38.1	36.5	*	38.1	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	6.7	*	12.5	11.6	*	12.5	15.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	0.0	3.4	*	15.0	6.8	*	20.0	9.3	*
Open Reduction of Hip Fracture	20	10.0	6.7	*	25.0	12.1	*	30.0	15.5	*
Prostatectomy	54	0.0	0.8	2.5	5.6	1.8	3.8	7.4	3.0	6.0
Cholecystectomy	34	0.0	3.3	*	11.8	6.1	*	14.7	8.2	*
Hysterectomy	10	0.0	1.3	*	0.0	2.8	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 207
Occupancy Rate 82
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 118
Percent of Physicians Board Certified Specialists 58
Medical Residents/Interns 0
Registered Nurses 146
Licensed Practical Nurses 23

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BRADDOCK MEDICAL CENTER

Medicare Provider Number: 390128

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,895	7.9	9.8	0.9	12.2	14.6	1.1	15.8	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	92	21.7	25.4	7.2	25.0	28.8	7.9	27.2	32.3	8.3
Congestive Heart Failure	133	8.3	16.9	5.1	18.0	25.6	5.4	26.3	32.8	5.0
Pneumonia/Influenza	69	15.9	19.6	7.8	24.6	26.2	5.8	30.4	31.3	5.7
Chronic Obstructive Pulmonary Disease	22	4.5	9.9	*	9.1	16.3	*	9.1	21.9	*
Transient Cerebral Ischemia	45	2.2	2.2	*	4.4	4.7	*	6.7	7.4	*
Stroke	69	18.8	22.6	7.0	27.5	29.7	6.5	31.9	34.4	7.4
Hip Fracture	28	3.6	6.6	*	7.1	11.6	*	14.3	14.8	*
Sepsis	26	30.8	30.3	*	38.5	37.1	*	38.5	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	8.1	*	4.0	12.7	*	4.0	16.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	2.6	*	0.0	4.7	*	7.1	6.1	*
Open Reduction of Hip Fracture	17	5.9	6.7	*	11.8	12.2	*	17.6	15.7	*
Prostatectomy	46	2.2	1.4	*	4.3	3.6	*	8.7	6.0	*
Cholecystectomy	40	2.5	2.2	*	2.5	3.7	*	2.5	4.7	*
Hysterectomy	5	0.0	1.6	*	0.0	3.1	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,888	8.4	10.3	1.2	14.1	15.3	1.0	17.8	19.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	81	29.6	28.1	8.8	37.0	31.5	9.9	39.5	35.0	11.0
Congestive Heart Failure	131	9.9	16.1	5.1	21.4	24.2	5.3	29.8	30.9	4.6
Pneumonia/Influenza	65	15.4	20.2	7.5	21.5	26.8	8.9	26.2	32.0	10.6
Chronic Obstructive Pulmonary Disease	18	22.2	14.7	*	38.9	22.8	*	38.9	28.7	*
Transient Cerebral Ischemia	49	0.0	2.5	*	6.1	5.2	*	8.2	8.1	*
Stroke	90	24.4	21.4	5.1	30.0	28.2	5.4	31.1	32.5	5.1
Hip Fracture	50	8.0	7.6	*	12.0	13.7	*	20.0	17.5	*
Sepsis	36	11.1	29.3	*	30.6	37.7	*	36.1	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	13.0	6.7	*	30.4	12.2	*	34.8	16.6	*
Carotid Endarterectomy	4	0.0	2.0	*	0.0	4.0	*	0.0	5.7	*
Hip Replacement/Reconstruction	29	0.0	4.5	*	3.4	8.6	*	10.3	11.5	*
Open Reduction of Hip Fracture	28	14.3	7.4	*	21.4	14.0	*	32.1	18.1	*
Prostatectomy	65	1.5	1.7	1.7	4.6	3.8	2.5	6.2	6.1	3.1
Cholecystectomy	27	3.7	5.6	*	7.4	10.2	*	7.4	14.1	*
Hysterectomy	4	0.0	2.4	*	0.0	5.2	*	0.0	8.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRADDOCK MEDICAL CENTER

An Affiliate of:
Heritage Health System, Inc.

400 Holland Avenue
Braddock, Pennsylvania 15104
412-636-5000
412-636-5398 (FAX)

January 8, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have received for review and comment our mortality statistics for Medicare patients treated in fiscal year 1989.

Mortality review is an integral part of our Quality Assessment Program and is performed by the medical staff for all patients that cease to breathe while in the hospital. Numerous factors are considered at the time of review that include, but are not limited to, the patient's age, severity of illness at the time of admission, history of chronic medical problems, complications and requests of the patient/family for no further medical intervention.

Following review of our 1989 mortality rates, we conducted an indepth review of the mortalities for Hip Fracture and for the procedures Hip Replacement/ Reconstruction, Open Reduction of Hip Fracture, Prostatectomy and Cholecystectomy.

The statistics identified 31 cases with the diagnosis of traumatic hip fracture. Nine of the patients expired within 180 days of admission and eight of the nine mortalities had either an emergency hip replacement/reconstruction (arthroplasty) or open reduction of their hip fracture. Seven of the nine mortalities were 81 years of age or older. Three patients died while in the hospital, one prior to surgery due to congestive heart failure and two post-operatively after the families requested no further medical intervention due to multiple pre-existing medical problems. Six patients ceased to breathe after discharge from the hospital. Five of the patients died due to cardiovascular or cerebrovascular disease which was chronic and present at the time of the hip fracture and subsequent surgery. The sixth patient expired due to gastro-intestinal hemorrhage secondary to peptic ulcer disease. Fifty percent of these patients were over the age of 90. Also reviewed was one patient with an elective hip replacement/ reconstruction who expired three months after surgery due to an acute MI.

Review of the 54 prostatectomy procedures revealed that four patients expired within 180 days admission. Three of the patients died due to acute MI and one patient died five months after surgery due to cancer of the prostate.

There were 34 patients with cholecystectomy procedures and five expired within 180 days of admission. All of the patients that expired had emergency cholecystectomies performed due to acute cholecystitis and cholelithiasis, cancer of the gallbladder and hydrops of the gallbladder. Also noted were multiple comorbidities including diabetes, renal insufficiency/failure, cancer of the lung, cancer of the urinary bladder and cardiovascular disease which contributed to their deaths.

We feel that the use of mortality statistics, particularly when the sample is small, is of limited value in assessing the quality of care that has been provided. We believe that quality assessment is both objective and systematic and that quality patient care is achieved through the efforts of committed individuals to a comprehensive program that involves monitoring and evaluating all clinical services provided.

We thank you for the opportunity to comment.

Sincerely,

Rand J. Wortman
President

nr

BRADFORD HOSPITAL

116-156 Interstate Parkway
Bradford, PA 16701

Medicare Provider Number: 390118

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	929	10.4	9.3	1.4	15.4	14.1	1.7	18.4	18.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	23.9	*	42.9	26.9	*	42.9	30.2	*
Congestive Heart Failure	47	17.0	15.0	*	25.5	22.9	*	31.9	29.7	*
Pneumonia/Influenza	68	4.4	14.8	6.1	10.3	20.1	6.8	11.8	24.5	7.7
Chronic Obstructive Pulmonary Disease	21	4.8	7.4	*	23.8	13.4	*	28.6	18.8	*
Transient Cerebral Ischemia	17	0.0	1.9	*	0.0	4.5	*	0.0	7.3	*
Stroke	37	24.3	22.6	*	35.1	28.2	*	43.2	32.6	*
Hip Fracture	21	4.8	6.0	*	14.3	10.5	*	14.3	13.5	*
Sepsis	19	36.8	25.1	*	42.1	30.4	*	52.6	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.0	*	0.0	10.8	*	0.0	14.6	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	15	0.0	2.2	*	6.7	4.3	*	6.7	5.8	*
Open Reduction of Hip Fracture	14	7.1	5.4	*	14.3	9.7	*	14.3	12.6	*
Prostatectomy	43	2.3	0.7	*	2.3	1.8	*	7.0	3.1	*
Cholecystectomy	19	5.3	4.1	*	15.8	7.8	*	15.8	10.5	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 223
Occupancy Rate 77
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 31
Percent of Physicians Board Certified Specialists 58
Medical Residents/Interns 0
Registered Nurses 94
Licensed Practical Nurses 38

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BRADFORD HOSPITAL

Medicare Provider Number: 390118

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	961	9.1	8.9	1.0	13.2	13.3	1.3	18.4	17.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	20	40.0	29.4	*	50.0	33.4	*	50.0	37.1	*
Congestive Heart Failure	48	14.6	16.3	*	20.8	24.5	*	37.5	31.3	*
Pneumonia/Influenza	33	21.2	15.4	*	30.3	20.6	*	39.4	24.9	*
Chronic Obstructive Pulmonary Disease	29	3.4	6.3	*	10.3	11.1	*	17.2	15.1	*
Transient Cerebral Ischemia	23	4.3	2.1	*	4.3	4.9	*	21.7	8.1	*
Stroke	45	28.9	24.8	*	35.6	31.4	*	42.2	35.9	*
Hip Fracture	23	4.3	7.0	*	13.0	12.3	*	21.7	15.8	*
Sepsis	7	42.9	33.2	*	57.1	41.3	*	57.1	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.1	*	0.0	5.6	*	0.0	8.1	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	11	18.2	5.5	*	27.3	10.6	*	27.3	13.8	*
Open Reduction of Hip Fracture	12	0.0	6.9	*	8.3	12.5	*	16.7	16.0	*
Prostatectomy	43	0.0	1.0	*	0.0	2.3	*	4.7	3.9	*
Cholecystectomy	20	0.0	3.7	*	10.0	6.0	*	15.0	7.4	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	947	8.6	8.6	1.3	12.9	13.2	1.4	16.8	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	36	36.1	28.0	*	41.7	31.9	*	44.4	35.8	*
Congestive Heart Failure	65	15.4	16.2	6.0	23.1	24.8	6.0	33.8	32.0	6.1
Pneumonia/Influenza	26	15.4	15.3	*	15.4	20.5	*	19.2	25.0	*
Chronic Obstructive Pulmonary Disease	47	10.6	10.7	*	17.0	17.6	*	21.3	23.0	*
Transient Cerebral Ischemia	45	4.4	2.7	*	6.7	6.0	*	8.9	9.4	*
Stroke	31	12.9	20.0	*	25.8	26.0	*	25.8	30.3	*
Hip Fracture	15	6.7	6.3	*	6.7	11.0	*	6.7	14.4	*
Sepsis	15	6.7	20.7	*	20.0	27.1	*	33.3	32.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	100.0	2.2	*	100.0	5.0	*	100.0	7.8	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	8	0.0	5.7	*	0.0	10.2	*	0.0	13.4	*
Open Reduction of Hip Fracture	5	20.0	6.2	*	20.0	11.8	*	20.0	15.9	*
Prostatectomy	38	0.0	1.1	*	2.6	2.7	*	2.6	4.6	*
Cholecystectomy	17	0.0	1.9	*	5.9	3.2	*	5.9	4.0	*
Hysterectomy	3	0.0	1.1	*	0.0	2.4	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRADFORD HOSPITAL

116-156 Interstate Parkway • Bradford, Pennsylvania • 16701 • (814) 368-4143

December 26, 1990

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Provider #390118

Dear Ms. Kappert:

Enclosed for your information is Bradford Hospital's response to the mortality information to be published in the Spring of 1991.

The Summary reflects Bradford Hospital's review and interpretive comments regarding the Medicare experience for the year 1989.

If you have any questions regarding this data, please do not hesitate to contact us.

Sincerely,

Michael G. Guley
President/CEO

MGG:js
enclosure

REVIEW AND INTERPRETIVE COMMENTS
MEDICARE PROVIDER #390118

The Bradford Hospital mortality rate tables for fiscal year 1989 do not demonstrate significant deviation from the HCFA predicted mortality rates. The overall mortality rates for the three years remain quite consistent. This comparison demonstrates a relatively stable relationship between actual and predicted rates.

In four categories of diagnostic conditions, the Bradford Hospital's actual mortality rate was slightly higher than the predicted range. It is important to note, however, that the number of cases or deaths in these categories is too small to permit satisfactory estimation of the standard deviation. Therefore, to provide any interpretation to the comparison would be meaningless at this time.

It is important to remember that "predicted" rates are nothing more than averages. Most of the differences amongst hospital's mortality rates that are "predicted" are the result of differences in the mix of patients across the seventeen diagnostic categories. The information simply describes one of several possible outcomes at a hospital--post admission mortality for Medicare beneficiaries at 30, 90 and 180 days. The information is not necessarily representative of a hospital's total performance in all aspects of patient care.

Finally, the difference between actual and predicted mortality rates are not an indicator of quality of care differences. Rather, the differences are because of the kinds of patients treated and the differences of the treatment provided due to patient characteristics.

Other factors affecting the probability of death in a particular case (e.g. family status/support) and overall health status are essential elements that are not included in the predictive model because information on them is not readily available.

The Bradford Hospital supports ongoing quality assurance and utilization review activities to assure that high quality care is rendered to all beneficiaries. The reported information will allow us to review our own cases to make factual decisions and aid our physicians in the peer review process.

BRANDYWINE HOSPITAL

201 Reeseville Road
Caln, PA 19320

Medicare Provider Number: 390076

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,426	7.6	9.4	1.6	13.5	14.6	1.6	17.7	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	29.0	*	34.2	31.7	*	34.2	34.8	*
Congestive Heart Failure	110	8.2	15.3	5.1	18.2	23.6	4.9	27.3	30.6	4.8
Pneumonia/Influenza	68	1.5	17.4	6.1	4.4	24.0	7.1	8.8	29.2	7.6
Chronic Obstructive Pulmonary Disease	42	9.5	7.1	*	21.4	12.3	*	21.4	17.0	*
Transient Cerebral Ischemia	48	4.2	1.9	*	6.3	4.3	*	8.3	6.9	*
Stroke	57	22.8	17.9	7.6	28.1	24.9	7.5	33.3	29.3	8.9
Hip Fracture	34	8.8	6.5	*	11.8	12.2	*	17.6	16.3	*
Sepsis	8	25.0	29.3	*	25.0	35.5	*	25.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	0.0	3.0	*	7.1	6.5	*	7.1	9.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	3.8	*	11.8	7.6	*	17.6	10.6	*
Open Reduction of Hip Fracture	17	5.9	6.4	*	11.8	12.5	*	17.6	16.9	*
Prostatectomy	25	0.0	1.7	*	4.0	4.2	*	4.0	7.0	*
Cholecystectomy	27	0.0	2.4	*	0.0	4.1	*	0.0	5.1	*
Hysterectomy	7	0.0	2.2	*	0.0	4.5	*	14.3	6.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 198
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 200
Licensed Practical Nurses 13

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

BRANDYWINE HOSPITAL

Medicare Provider Number: 390076

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,527	8.6	9.7	0.8	13.4	14.6	1.0	16.6	18.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	45	31.1	29.6	*	40.0	33.8	*	46.7	37.5	*
Congestive Heart Failure	122	10.7	16.6	5.9	21.3	25.0	5.9	26.2	31.9	6.4
Pneumonia/Influenza	75	13.3	17.7	6.2	18.7	24.1	6.7	24.0	29.0	7.8
Chronic Obstructive Pulmonary Disease	39	7.7	9.6	*	12.8	15.6	*	20.5	20.8	*
Transient Cerebral Ischemia	39	0.0	1.9	*	5.1	4.1	*	5.1	6.5	*
Stroke	55	12.7	18.2	9.6	16.4	25.6	12.4	21.8	30.4	13.4
Hip Fracture	34	2.9	7.4	*	17.6	13.4	*	20.6	17.3	*
Sepsis	9	33.3	37.1	*	44.4	46.5	*	55.6	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	6.9	7.1	*	6.9	12.6	*	13.8	16.9	*
Carotid Endarterectomy	4	0.0	2.0	*	0.0	4.1	*	0.0	6.0	*
Hip Replacement/Reconstruction	22	0.0	4.1	*	9.1	8.1	*	13.6	11.0	*
Open Reduction of Hip Fracture	18	5.6	7.4	*	22.2	13.9	*	22.2	18.2	*
Prostatectomy	33	0.0	0.9	*	0.0	2.1	*	3.0	3.4	*
Cholecystectomy	18	0.0	1.8	*	0.0	3.2	*	0.0	4.3	*
Hysterectomy	6	0.0	1.1	*	0.0	2.3	*	0.0	3.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,533	9.1	10.3	1.1	14.0	15.2	1.1	18.1	19.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	65	29.2	34.2	6.7	35.4	37.6	6.1	41.5	40.9	6.1
Congestive Heart Failure	97	11.3	16.9	7.6	21.6	25.5	6.7	28.9	32.7	6.8
Pneumonia/Influenza	76	9.2	15.6	8.0	14.5	20.9	8.2	19.7	25.4	8.2
Chronic Obstructive Pulmonary Disease	52	7.7	12.9	8.4	19.2	20.5	8.3	25.0	26.0	6.7
Transient Cerebral Ischemia	54	3.7	2.2	2.7	9.3	4.7	5.2	9.3	7.5	3.9
Stroke	59	33.9	23.9	10.0	42.4	31.6	8.1	47.5	36.3	8.5
Hip Fracture	28	14.3	7.1	*	14.3	12.9	*	17.9	16.8	*
Sepsis	13	46.2	32.6	*	46.2	41.5	*	53.8	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	0.0	3.9	*	0.0	7.7	*	7.4	11.5	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.6	*	0.0	5.1	*
Hip Replacement/Reconstruction	8	0.0	3.1	*	0.0	6.0	*	0.0	8.2	*
Open Reduction of Hip Fracture	16	12.5	7.1	*	12.5	13.3	*	18.8	17.5	*
Prostatectomy	30	3.3	1.1	*	6.7	2.8	*	6.7	4.9	*
Cholecystectomy	16	6.3	3.1	*	6.3	4.8	*	6.3	5.9	*
Hysterectomy	11	0.0	2.1	*	0.0	4.1	*	0.0	6.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

37.1

Brandywine Hospital & Trauma Center

201 Reeceville Road
Caln Township, Pennsyvlania 19320
(215) 383-8000

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Hospital ID #: 390076

Dear Mrs. Kappert:

Brandywine Hospital and Trauma Center of Caln Township, Chester County has received and reviewed the HCFA's mortality statistics. We are pleased that our overall statistics fell within the predicted range, with the exception of the stroke category.

Utilizing our in-house Quality Management Program, patients in this category were reviewed for the appropriateness of care provided during their hospitalization. This review showed an aged population admitted with multiple debilitating medical conditions. Many of the patients were admitted requesting no resuscitive measures be performed. Upon review of the charts, medical care provided to all patients was found to be timely and appropriate.

Lacking a true picture of our patient population, the statistics are not an accurate reflection of Brandywine Hospital and Trauma Center's overall performance as a health care institution. The statistics do not include all age patients, payor types or the total number of actual patients admitted to Brandywine Hospital and Trauma Center in 1989.

The governing board, management, and medical staff at Brandywine Hospital and Trauma Center are committed to delivering the highest level of patient care possible. We continue to work together to update and improve our hospital-wide quality management and utilization review program. This process is performed concurrently as well as retrospectively in an effort to ensure our patients receive the highest quality of care and that problems identified are resolved in a timely fashion. The data presented in this report does not show the quality of care provided and therefore must be interpreted with great care.

The Better Health People

As with past years, I continue to have serious concerns as to how the general public may interpret the printed statistics in the present format without appropriate explanations and education. We, at Brandywine, remain committed to quality patient care and consumer education. However, we believe that the public should be given information relevant to the hospital's overall performance, not selected statistics on selected groups of a particular populations.

Thank you for the opportunity to comment.

Sincerely,

James T. Burnham
President

JTB:sda

BROOKVILLE HOSPITAL

South Main St
Brookville, PA 15825

Medicare Provider Number: 390191

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	798	10.2	9.1	1.1	14.3	13.6	1.4	17.4	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	28.1	*	35.7	31.7	*	39.3	35.6	*
Congestive Heart Failure	30	20.0	18.5	*	30.0	28.2	*	40.0	35.9	*
Pneumonia/Influenza	44	13.6	18.6	*	25.0	25.0	*	36.4	30.1	*
Chronic Obstructive Pulmonary Disease	11	0.0	6.0	*	9.1	10.8	*	27.3	15.2	*
Transient Cerebral Ischemia	27	7.4	2.0	*	11.1	4.4	*	11.1	7.0	*
Stroke	24	16.7	21.5	*	16.7	27.7	*	16.7	32.0	*
Hip Fracture	17	11.8	6.5	*	11.8	11.8	*	11.8	15.5	*
Sepsis	8	25.0	21.1	*	25.0	28.3	*	50.0	34.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	1.9	*	16.7	4.0	*	16.7	6.1	*
Carotid Endarterectomy	6	0.0	2.0	*	16.7	4.0	*	33.3	6.2	*
Hip Replacement/Reconstruction	4	0.0	2.9	*	0.0	5.6	*	0.0	7.6	*
Open Reduction of Hip Fracture	9	22.2	5.7	*	22.2	11.3	*	22.2	15.6	*
Prostatectomy	35	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	31	3.2	2.6	*	6.5	4.5	*	6.5	5.8	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	73
Occupancy Rate	48
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	69
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BROOKVILLE HOSPITAL

Medicare Provider Number: 390191

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	799	10.3	9.3	1.4	14.8	14.1	1.5	18.0	18.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	22.8	*	35.7	26.5	*	35.7	30.1	*
Congestive Heart Failure	44	20.5	18.2	*	31.8	26.8	*	31.8	33.7	*
Pneumonia/Influenza	32	21.9	23.7	*	28.1	31.4	*	28.1	37.1	*
Chronic Obstructive Pulmonary Disease	19	5.3	9.4	*	15.8	17.0	*	21.1	23.5	*
Transient Cerebral Ischemia	10	0.0	3.0	*	0.0	7.0	*	10.0	11.2	*
Stroke	36	30.6	20.9	*	38.9	27.7	*	41.7	32.4	*
Hip Fracture	21	0.0	7.2	*	0.0	13.4	*	0.0	17.5	*
Sepsis	9	44.4	41.6	*	44.4	48.9	*	55.6	56.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	8.5	*	10.0	11.4	*	10.0	13.9	*
Carotid Endarterectomy	10	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	3	0.0	3.1	*	0.0	6.0	*	0.0	8.0	*
Open Reduction of Hip Fracture	8	0.0	6.7	*	0.0	13.0	*	0.0	17.1	*
Prostatectomy	43	0.0	1.2	*	2.3	2.9	*	4.7	4.7	*
Cholecystectomy	34	11.8	5.3	*	14.7	9.6	*	14.7	12.3	*
Hysterectomy	3	0.0	4.6	*	0.0	9.0	*	0.0	12.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	826	10.3	9.2	1.3	13.8	13.9	1.2	16.8	17.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	32	31.3	24.1	*	31.3	27.1	*	31.3	30.4	*
Congestive Heart Failure	30	30.0	19.1	*	40.0	28.8	*	43.3	36.6	*
Pneumonia/Influenza	34	14.7	19.4	*	20.6	25.9	*	26.5	31.1	*
Chronic Obstructive Pulmonary Disease	18	11.1	11.5	*	16.7	18.9	*	22.2	24.7	*
Transient Cerebral Ischemia	16	6.3	2.1	*	6.3	4.6	*	12.5	7.3	*
Stroke	33	18.2	18.4	*	27.3	26.6	*	33.3	31.6	*
Hip Fracture	9	11.1	7.4	*	11.1	14.2	*	22.2	19.0	*
Sepsis	14	0.0	24.2	*	7.1	31.6	*	14.3	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.9	*	0.0	7.6	*	0.0	11.0	*
Carotid Endarterectomy	6	0.0	1.9	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	2	0.0	5.3	*	0.0	9.5	*	0.0	12.2	*
Open Reduction of Hip Fracture	2	50.0	4.5	*	50.0	9.1	*	50.0	12.5	*
Prostatectomy	35	2.9	1.3	*	2.9	3.1	*	2.9	5.3	*
Cholecystectomy	16	12.5	3.1	*	18.8	5.1	*	18.8	6.3	*
Hysterectomy	2	0.0	0.9	*	0.0	2.3	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BROWNSVILLE GENERAL HOSPITAL

125 Simpson Rd
Brownsville, PA 15417

Medicare Provider Number: 390166

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	857	9.6	10.2	1.2	14.0	15.0	1.5	17.7	18.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	42	28.6	28.0	*	35.7	30.9	*	38.1	34.1	*
Congestive Heart Failure	50	18.0	15.9	*	18.0	25.0	*	18.0	32.3	*
Pneumonia/Influenza	32	15.6	20.7	*	34.4	28.0	*	34.4	33.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	10.5	*	0.0	17.6	*	11.1	23.2	*
Transient Cerebral Ischemia	44	0.0	2.5	*	6.8	5.8	*	11.4	9.3	*
Stroke	38	10.5	17.3	*	15.8	24.2	*	21.1	28.4	*
Hip Fracture	21	9.5	7.6	*	9.5	13.0	*	14.3	16.4	*
Sepsis	18	38.9	29.7	*	38.9	38.0	*	50.0	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.1	*	0.0	6.3	*	50.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	6.6	*	10.0	11.4	*	20.0	14.6	*
Open Reduction of Hip Fracture	10	10.0	6.5	*	10.0	11.2	*	10.0	14.1	*
Prostatectomy	22	0.0	1.3	*	0.0	3.1	*	9.1	5.2	*
Cholecystectomy	21	14.3	4.1	*	19.0	6.3	*	19.0	7.6	*
Hysterectomy	2	0.0	5.1	*	50.0	10.8	*	50.0	16.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	80
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	41
Medical Residents/Interns	0
Registered Nurses	72
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BROWNSVILLE GENERAL HOSPITAL

Medicare Provider Number: 390166

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	885	10.5	11.6	1.5	14.2	16.9	1.9	18.0	21.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	48	20.8	29.2	*	20.8	32.4	*	22.9	35.8	*
Congestive Heart Failure	50	14.0	18.5	*	22.0	28.2	*	28.0	35.7	*
Pneumonia/Influenza	52	9.6	15.8	8.6	19.2	21.4	7.4	21.2	25.9	7.4
Chronic Obstructive Pulmonary Disease	17	17.6	10.6	*	23.5	18.7	*	29.4	25.2	*
Transient Cerebral Ischemia	16	0.0	2.1	*	0.0	4.6	*	0.0	7.2	*
Stroke	45	26.7	19.7	*	26.7	27.5	*	28.9	32.4	*
Hip Fracture	15	6.7	7.7	*	13.3	13.6	*	13.3	17.3	*
Sepsis	13	46.2	36.3	*	61.5	47.4	*	61.5	54.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	10.7	*	0.0	14.1	*	0.0	17.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	6.3	*	66.7	12.5	*	66.7	16.3	*
Open Reduction of Hip Fracture	11	0.0	6.4	*	0.0	11.8	*	0.0	15.4	*
Prostatectomy	24	4.2	1.9	*	12.5	3.8	*	12.5	6.0	*
Cholecystectomy	15	13.3	6.2	*	13.3	11.2	*	26.7	14.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	928	8.6	11.2	1.3	14.0	16.5	1.4	18.2	20.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	43	30.2	30.8	*	37.2	34.3	*	37.2	37.9	*
Congestive Heart Failure	53	7.5	18.7	7.7	18.9	28.2	8.0	24.5	35.7	8.6
Pneumonia/Influenza	45	17.8	21.8	*	31.1	28.7	*	33.3	34.0	*
Chronic Obstructive Pulmonary Disease	11	9.1	8.8	*	9.1	15.8	*	18.2	21.3	*
Transient Cerebral Ischemia	29	0.0	2.2	*	6.9	4.8	*	10.3	7.6	*
Stroke	37	5.4	19.5	*	16.2	26.6	*	21.6	31.1	*
Hip Fracture	15	0.0	9.0	*	6.7	15.7	*	13.3	19.8	*
Sepsis	20	15.0	30.7	*	30.0	39.8	*	30.0	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.0	*	9.1	6.7	*	18.2	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	8.4	*	20.0	15.1	*	20.0	18.8	*
Open Reduction of Hip Fracture	11	0.0	6.4	*	0.0	11.8	*	9.1	15.4	*
Prostatectomy	19	0.0	1.2	*	0.0	2.8	*	0.0	4.7	*
Cholecystectomy	22	9.1	3.2	*	9.1	5.2	*	9.1	6.4	*
Hysterectomy	2	0.0	7.0	*	0.0	10.3	*	0.0	12.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRYN MAWR HOSPITAL

Bryn Mawr Ave
Bryn Mawr, PA 19010

Medicare Provider Number: 390139

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,887	8.2	10.0	0.7	13.2	14.9	0.7	16.5	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	144	23.6	30.5	4.7	25.7	33.8	4.4	27.8	37.2	4.7
Congestive Heart Failure	189	15.3	15.8	2.8	24.3	24.3	3.1	29.6	31.2	4.5
Pneumonia/Influenza	87	13.8	18.7	6.7	18.4	25.1	8.9	21.8	29.9	9.8
Chronic Obstructive Pulmonary Disease	56	0.0	11.2	11.2	8.9	18.4	9.1	14.3	24.3	9.1
Transient Cerebral Ischemia	66	0.0	1.9	2.9	3.0	4.3	4.6	7.6	6.9	6.2
Stroke	144	20.1	23.7	5.6	27.1	30.5	5.1	33.3	35.2	4.3
Hip Fracture	120	8.3	7.5	4.9	18.3	13.5	5.7	18.3	17.4	6.2
Sepsis	74	21.6	31.1	6.7	28.4	38.3	7.1	32.4	44.0	7.9
PROCEDURES:										
Angioplasty	54	0.0	3.8	4.9	3.7	4.9	4.0	5.6	6.3	5.0
Coronary Artery Bypass Graft	112	4.5	6.1	4.0	5.4	9.1	5.0	7.1	11.0	5.2
Initial Pacemaker Insertion	45	0.0	4.5	*	2.2	8.3	*	2.2	11.8	*
Carotid Endarterectomy	23	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	93	4.3	4.0	4.4	12.9	7.7	4.7	12.9	10.3	5.1
Open Reduction of Hip Fracture	54	9.3	7.3	6.9	18.5	13.6	7.4	18.5	17.7	7.4
Prostatectomy	159	1.9	1.2	1.5	3.8	2.7	2.4	6.3	4.5	2.9
Cholecystectomy	56	0.0	3.7	*	0.0	6.1	*	0.0	7.5	*
Hysterectomy	39	2.6	1.5	*	5.1	3.3	*	5.1	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 371
Occupancy Rate 81
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 291
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 42
Registered Nurses 653
Licensed Practical Nurses 5

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BRYN MAWR HOSPITAL

Medicare Provider Number: 390139

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,958	9.0	10.2	0.6	14.1	15.3	0.8	17.5	19.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	143	22.4	32.5	5.6	26.6	35.8	5.7	28.0	39.4	6.0
Congestive Heart Failure	149	14.8	17.4	3.8	26.2	26.2	3.8	33.6	33.4	3.9
Pneumonia/Influenza	108	17.6	17.5	3.8	25.0	23.6	5.3	32.4	28.2	7.5
Chronic Obstructive Pulmonary Disease	75	12.0	10.9	3.9	18.7	17.6	4.8	22.7	23.2	5.0
Transient Cerebral Ischemia	76	2.6	2.3	2.5	2.6	5.0	3.5	6.6	8.0	4.2
Stroke	143	26.6	26.6	3.7	34.3	34.1	4.5	42.0	39.1	5.8
Hip Fracture	136	6.6	6.4	2.3	10.3	11.7	3.0	12.5	15.1	4.4
Sepsis	77	26.0	30.7	9.9	29.9	39.1	10.3	40.3	45.1	7.7
PROCEDURES:										
Angioplasty	39	7.7	5.2	*	7.7	6.2	*	7.7	7.4	*
Coronary Artery Bypass Graft	114	9.6	7.7	3.2	12.3	11.0	3.4	14.9	12.9	4.0
Initial Pacemaker Insertion	32	9.4	8.1	*	9.4	13.0	*	12.5	16.6	*
Carotid Endarterectomy	27	0.0	1.4	*	3.7	2.5	*	3.7	3.7	*
Hip Replacement/Reconstruction	102	5.9	2.7	3.7	7.8	5.2	3.7	8.8	6.8	3.7
Open Reduction of Hip Fracture	71	1.4	5.7	3.6	4.2	10.8	5.8	5.6	14.2	6.9
Prostatectomy	170	1.8	1.3	1.3	2.4	3.0	1.7	2.9	5.0	2.5
Cholecystectomy	76	2.6	3.7	2.8	5.3	6.7	3.9	6.6	8.6	4.3
Hysterectomy	27	0.0	1.0	*	0.0	2.3	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,768	7.8	10.0	0.6	12.7	15.0	0.6	15.9	18.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	136	17.6	32.7	5.6	22.1	36.3	5.8	24.3	39.9	5.8
Congestive Heart Failure	162	11.1	18.2	4.5	21.6	26.9	4.3	27.2	34.0	5.0
Pneumonia/Influenza	91	9.9	15.7	6.9	17.6	21.2	6.3	20.9	25.5	7.0
Chronic Obstructive Pulmonary Disease	49	6.1	12.6	*	12.2	19.5	*	20.4	24.5	*
Transient Cerebral Ischemia	73	2.7	2.0	2.2	4.1	4.5	2.9	8.2	7.2	3.1
Stroke	147	15.6	23.9	4.9	21.8	30.5	5.4	23.8	35.1	6.1
Hip Fracture	113	7.1	6.9	2.4	16.8	12.7	4.4	19.5	16.6	4.7
Sepsis	54	22.2	27.9	9.1	31.5	35.4	7.3	40.7	41.3	7.1
PROCEDURES:										
Angioplasty	13	0.0	5.3	*	0.0	6.1	*	0.0	7.3	*
Coronary Artery Bypass Graft	75	5.3	7.4	4.3	10.7	10.9	4.5	13.3	12.9	4.0
Initial Pacemaker Insertion	42	4.8	4.5	*	9.5	8.8	*	14.3	12.6	*
Carotid Endarterectomy	17	5.9	1.4	*	5.9	2.6	*	5.9	3.8	*
Hip Replacement/Reconstruction	72	2.8	4.1	2.5	8.3	7.8	3.6	11.1	10.5	3.6
Open Reduction of Hip Fracture	56	8.9	6.3	5.9	19.6	12.1	8.3	21.4	16.0	8.3
Prostatectomy	181	0.6	1.1	0.9	1.7	2.7	1.7	3.9	4.5	2.7
Cholecystectomy	81	1.2	3.5	2.9	3.7	6.1	4.3	3.7	7.9	5.5
Hysterectomy	23	8.7	0.9	*	8.7	1.8	*	8.7	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BUCKTAIL MEDICAL CENTER

1001 Pine St
Renovo, PA 17764

Medicare Provider Number: 390244

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	104	10.6	8.9	3.2	13.5	13.5	4.1	16.3	17.2	4.0
CONDITIONS:										
Acute Myocardial Infarction	2	100.0	52.2	*	100.0	60.4	*	100.0	66.4	*
Congestive Heart Failure	8	12.5	13.4	*	12.5	21.4	*	25.0	27.8	*
Pneumonia/Influenza	7	28.6	17.0	*	28.6	22.7	*	42.9	27.3	*
Chronic Obstructive Pulmonary Disease	12	8.3	5.8	*	8.3	12.0	*	8.3	17.2	*
Transient Cerebral Ischemia	2	0.0	0.9	*	0.0	1.9	*	0.0	3.1	*
Stroke	2	50.0	26.9	*	100.0	34.9	*	100.0	40.4	*
Hip Fracture	0									
Sepsis	1	0.0	14.5	*	0.0	18.0	*	0.0	22.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 50
Occupancy Rate 78
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 2
Percent of Physicians Board Certified Specialists 100
Medical Residents/Interns 0
Registered Nurses 5
Licensed Practical Nurses 3

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BUCKTAIL MEDICAL CENTER

Medicare Provider Number: 390244

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	110	8.2	11.0	3.8	14.5	16.3	3.9	16.4	20.5	5.9
CONDITIONS:										
Acute Myocardial Infarction	5	20.0	33.6	*	20.0	38.4	*	20.0	43.1	*
Congestive Heart Failure	12	8.3	15.6	*	25.0	24.5	*	25.0	31.7	*
Pneumonia/Influenza	8	12.5	18.4	*	37.5	26.5	*	37.5	32.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.7	*	0.0	12.4	*	0.0	16.8	*
Transient Cerebral Ischemia	4	0.0	2.3	*	0.0	5.4	*	0.0	8.5	*
Stroke	0									
Hip Fracture	0									
Sepsis	2	100.0	51.7	*	100.0	75.7	*	100.0	86.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	132	5.3	10.3	3.2	9.1	16.2	4.2	12.1	21.3	5.0
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	45.8	*	25.0	56.6	*	25.0	63.6	*
Congestive Heart Failure	8	12.5	14.9	*	37.5	22.6	*	37.5	29.4	*
Pneumonia/Influenza	12	0.0	15.3	*	0.0	21.1	*	0.0	25.7	*
Chronic Obstructive Pulmonary Disease	7	14.3	13.2	*	14.3	21.4	*	14.3	27.5	*
Transient Cerebral Ischemia	4	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	4	0.0	24.4	*	25.0	32.3	*	25.0	38.1	*
Hip Fracture	0									
Sepsis	1	0.0	31.1	*	0.0	35.2	*	0.0	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BUTLER MEMORIAL HOSPITAL

911 East Brady St
Butler, PA 16001

Medicare Provider Number: 390168

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,210	7.9	9.0	0.9	12.5	13.5	1.1	16.0	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	83	27.7	25.7	5.1	32.5	29.0	6.0	33.7	32.4	5.4
Congestive Heart Failure	146	17.8	15.0	4.0	25.3	23.2	4.3	34.9	30.1	5.6
Pneumonia/Influenza	98	17.3	15.7	4.3	21.4	21.4	4.3	26.5	25.7	4.5
Chronic Obstructive Pulmonary Disease	45	4.4	11.1	*	15.6	17.0	*	15.6	22.0	*
Transient Cerebral Ischemia	41	2.4	2.3	*	7.3	5.2	*	12.2	8.2	*
Stroke	75	16.0	23.8	8.2	21.3	30.5	9.5	25.3	35.0	9.4
Hip Fracture	54	1.9	6.3	4.1	7.4	11.5	4.9	16.7	15.0	5.0
Sepsis	35	20.0	30.3	*	25.7	37.2	*	28.6	43.7	*
PROCEDURES:										
Angioplasty	1	0.0	0.8	*	0.0	1.6	*	0.0	2.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.8	*	7.1	8.7	*	7.1	12.2	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	3.5	*	0.0	5.6	*
Hip Replacement/Reconstruction	34	0.0	3.0	*	0.0	5.8	*	5.9	8.0	*
Open Reduction of Hip Fracture	34	2.9	6.0	*	11.8	11.3	*	20.6	14.8	*
Prostatectomy	60	1.7	1.2	1.7	1.7	3.0	2.4	1.7	4.8	3.4
Cholecystectomy	40	0.0	2.2	*	0.0	3.7	*	0.0	4.7	*
Hysterectomy	20	0.0	0.2	*	0.0	0.4	*	5.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 310
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 123
Percent of Physicians Board Certified Specialists 82
Medical Residents/Interns 0
Registered Nurses 233
Licensed Practical Nurses 27

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BUTLER MEMORIAL HOSPITAL

Medicare Provider Number: 390168

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,277	7.7	9.3	0.9	12.1	14.0	1.0	15.7	17.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	93	20.4	28.5	5.7	24.7	31.9	5.5	26.9	35.5	6.0
Congestive Heart Failure	152	13.8	16.8	4.3	25.0	25.5	3.7	30.9	32.5	4.0
Pneumonia/Influenza	82	11.0	15.0	5.6	19.5	20.5	4.7	24.4	24.7	4.8
Chronic Obstructive Pulmonary Disease	52	9.6	12.0	6.5	11.5	18.3	8.1	17.3	23.7	10.8
Transient Cerebral Ischemia	45	0.0	1.9	*	0.0	4.1	*	4.4	6.4	*
Stroke	93	16.1	18.6	4.2	19.4	25.5	5.3	24.7	30.0	5.4
Hip Fracture	53	7.5	5.6	5.4	11.3	10.3	5.8	13.2	13.5	5.9
Sepsis	19	26.3	30.8	*	31.6	39.3	*	36.8	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	12.5	5.7	*	18.8	8.0	*	25.0	10.2	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	38	5.3	3.2	*	7.9	6.3	*	10.5	8.4	*
Open Reduction of Hip Fracture	26	7.7	5.4	*	11.5	10.3	*	11.5	13.7	*
Prostatectomy	85	0.0	0.8	1.7	2.4	1.8	2.4	5.9	3.1	3.4
Cholecystectomy	56	1.8	1.3	1.8	3.6	2.4	2.3	3.6	3.3	2.4
Hysterectomy	34	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,033	10.0	9.4	0.9	14.2	14.0	1.1	17.8	17.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	82	32.9	27.2	8.9	35.4	30.6	8.7	37.8	33.9	7.8
Congestive Heart Failure	122	20.5	16.3	5.4	25.4	24.6	6.0	36.1	31.4	7.2
Pneumonia/Influenza	73	16.4	16.9	4.7	21.9	22.9	5.3	24.7	27.3	5.9
Chronic Obstructive Pulmonary Disease	47	21.3	12.8	*	29.8	20.5	*	36.2	26.3	*
Transient Cerebral Ischemia	59	1.7	1.7	1.7	1.7	3.7	3.1	3.4	5.8	3.8
Stroke	74	29.7	20.1	7.1	35.1	27.3	6.8	36.5	31.8	6.0
Hip Fracture	35	2.9	4.9	*	5.7	9.2	*	5.7	12.2	*
Sepsis	21	23.8	36.2	*	28.6	44.5	*	28.6	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	2.7	*	10.0	5.5	*	15.0	8.2	*
Carotid Endarterectomy	3	0.0	2.2	*	0.0	5.0	*	0.0	7.8	*
Hip Replacement/Reconstruction	22	0.0	2.5	*	0.0	4.8	*	4.5	6.5	*
Open Reduction of Hip Fracture	20	0.0	3.9	*	5.0	7.8	*	5.0	10.6	*
Prostatectomy	65	3.1	1.0	1.7	6.2	2.5	2.9	9.2	4.3	4.8
Cholecystectomy	56	5.4	3.4	3.9	8.9	5.6	4.0	8.9	7.2	4.2
Hysterectomy	25	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CANONSBURG GENERAL HOSPITAL

Rd 1 Box 147 Route 519
Canonsburg, PA 15317

Medicare Provider Number: 390160

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,317	10.1	9.8	1.2	15.3	14.8	1.2	19.1	18.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	45	15.6	24.3	*	15.6	27.2	*	17.8	30.5	*
Congestive Heart Failure	61	19.7	16.1	5.2	32.8	25.2	7.1	42.6	32.5	8.2
Pneumonia/Influenza	111	14.4	18.6	7.2	19.8	25.3	7.3	26.1	30.3	7.7
Chronic Obstructive Pulmonary Disease	31	3.2	8.4	*	6.5	15.3	*	19.4	21.0	*
Transient Cerebral Ischemia	20	5.0	2.2	*	5.0	5.0	*	5.0	8.0	*
Stroke	46	28.3	19.2	*	30.4	26.2	*	34.8	30.9	*
Hip Fracture	25	12.0	6.6	*	20.0	11.6	*	20.0	14.9	*
Sepsis	23	30.4	31.3	*	52.2	41.0	*	56.5	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.9	*	10.0	5.9	*	10.0	8.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	5.0	2.7	*	5.0	5.0	*	5.0	6.9	*
Open Reduction of Hip Fracture	13	7.7	7.2	*	15.4	13.0	*	15.4	16.7	*
Prostatectomy	26	0.0	1.0	*	0.0	2.5	*	7.7	4.2	*
Cholecystectomy	26	0.0	2.4	*	0.0	4.0	*	0.0	4.8	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 120
Occupancy Rate 88
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 62
Percent of Physicians Board Certified Specialists 60
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CANONSBURG GENERAL HOSPITAL

Medicare Provider Number: 390160

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,359	8.8	9.7	1.2	13.2	14.6	1.4	17.0	18.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	42	33.3	27.2	*	38.1	30.4	*	42.9	33.8	*
Congestive Heart Failure	54	11.1	17.2	5.9	18.5	26.5	8.8	20.4	33.9	9.7
Pneumonia/Influenza	90	16.7	17.2	7.5	21.1	23.2	5.2	25.6	27.9	5.2
Chronic Obstructive Pulmonary Disease	37	5.4	8.3	*	10.8	14.4	*	16.2	19.8	*
Transient Cerebral Ischemia	28	10.7	2.1	*	10.7	4.7	*	14.3	7.5	*
Stroke	38	15.8	21.4	*	23.7	28.6	*	28.9	33.5	*
Hip Fracture	25	4.0	6.1	*	4.0	10.9	*	8.0	14.1	*
Sepsis	28	32.1	33.4	*	32.1	40.8	*	42.9	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.0	*	0.0	3.8	*	0.0	5.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	0.0	2.8	*	4.2	5.2	*	8.3	6.7	*
Open Reduction of Hip Fracture	12	8.3	5.0	*	8.3	9.5	*	8.3	12.7	*
Prostatectomy	19	0.0	1.4	*	5.3	3.3	*	5.3	5.2	*
Cholecystectomy	21	4.8	6.5	*	9.5	10.9	*	9.5	14.0	*
Hysterectomy	4	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,291	8.1	9.6	1.0	14.0	14.7	1.0	17.7	18.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	23.5	27.8	*	26.5	32.1	*	32.4	36.3	*
Congestive Heart Failure	55	14.5	19.1	7.3	23.6	28.7	11.4	25.5	36.2	11.9
Pneumonia/Influenza	78	9.0	15.6	5.2	19.2	21.2	4.8	25.6	25.9	5.0
Chronic Obstructive Pulmonary Disease	40	2.5	10.8	*	12.5	18.0	*	17.5	23.6	*
Transient Cerebral Ischemia	28	10.7	2.7	*	14.3	6.1	*	17.9	9.9	*
Stroke	47	19.1	22.1	*	25.5	28.6	*	25.5	33.2	*
Hip Fracture	27	7.4	6.9	*	11.1	12.2	*	14.8	15.9	*
Sepsis	23	39.1	34.0	*	52.2	43.3	*	65.2	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	3.1	*	16.7	6.4	*	16.7	9.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	4.2	3.3	*	4.2	6.2	*	4.2	8.3	*
Open Reduction of Hip Fracture	14	0.0	5.8	*	7.1	10.9	*	14.3	14.4	*
Prostatectomy	29	3.4	1.6	*	3.4	3.7	*	3.4	6.1	*
Cholecystectomy	14	0.0	1.6	*	0.0	3.0	*	0.0	4.0	*
Hysterectomy	6	0.0	1.4	*	0.0	3.1	*	0.0	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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CANONSBURG GENERAL HOSPITAL
R.D 1 Box 147 Route 519
Canonsburg, Pennsylvania 15317
412-745-6100

January 9, 1991

Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

RE: **Medicare Provider #39-0160**

Dear Mrs. Kappert:

Thank you for permitting Canonsburg Genreal Hospital the opportunity to review and comment on the HCFA mortality rates.

Canonsburg General Hospital has a quality assurance program that includes, among other things, the review by a Medical Director who is a physician, of every death occurring in our facility. If, upon this independent review, it is felt a case or cases need further evaluation, a team of medical specialists looks at the details, and if necessary, makes recommendations for improvement. This entire process is monitored on a regular and ongoing basis by the Hospital's Board of Directors.

The mortality review procedure noted above is only one component of a comprehensive quality assurance program.

We feel that the public release of mortality rates could possibly mislead health consumers. With the HCFA mortality release, a consumer may be led to the false belief that a hospital has no quality problems, when, in fact, it has. Conversely, a hospital may be perceived to have an excessive mortality rate, when, in fact, the high death rate is justified with sound medical explanation.

Again, thank you for providing this opportunity to comment on your report.

Yours truly,

Gary L. Perecko
President and Chief Executive Officer

/caz

CARBONDALE GENERAL HOSPITAL

185 Fallbrook St
Carbondale, PA 18407

Medicare Provider Number: 390092

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	378	10.6	9.6	2.2	16.1	14.6	2.3	18.8	18.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	13	30.8	23.2	*	53.8	25.7	*	53.8	28.5	*
Congestive Heart Failure	25	28.0	15.7	*	36.0	24.0	*	40.0	30.8	*
Pneumonia/Influenza	21	14.3	11.6	*	19.0	16.0	*	23.8	19.4	*
Chronic Obstructive Pulmonary Disease	10	0.0	7.9	*	0.0	16.3	*	10.0	24.3	*
Transient Cerebral Ischemia	15	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	10	20.0	18.1	*	40.0	26.6	*	40.0	31.5	*
Hip Fracture	6	0.0	4.2	*	0.0	7.6	*	0.0	10.0	*
Sepsis	5	60.0	26.5	*	60.0	31.9	*	60.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.9	*	0.0	8.0	*	33.3	11.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.9	*	0.0	7.3	*	0.0	9.6	*
Open Reduction of Hip Fracture	2	0.0	3.6	*	0.0	6.8	*	0.0	9.0	*
Prostatectomy	15	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	8	12.5	3.2	*	12.5	5.5	*	12.5	6.9	*
Hysterectomy	1	0.0	2.8	*	0.0	7.2	*	0.0	11.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	63
Occupancy Rate	38
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	39
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	32
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CARBONDALE GENERAL HOSPITAL

Medicare Provider Number: 390092

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	415	10.6	9.8	1.6	16.4	14.8	2.2	19.8	18.6	2.7
CONDITIONS:										
Acute Myocardial Infarction	16	25.0	23.9	*	31.3	27.1	*	31.3	30.5	*
Congestive Heart Failure	21	23.8	18.3	*	33.3	26.8	*	42.9	33.5	*
Pneumonia/Influenza	20	10.0	16.6	*	15.0	22.2	*	15.0	26.6	*
Chronic Obstructive Pulmonary Disease	8	12.5	5.2	*	12.5	10.5	*	25.0	15.3	*
Transient Cerebral Ischemia	13	0.0	1.7	*	7.7	3.7	*	7.7	5.7	*
Stroke	3	66.7	18.7	*	66.7	24.6	*	100.0	29.2	*
Hip Fracture	11	0.0	6.9	*	0.0	12.4	*	0.0	16.0	*
Sepsis	9	22.2	30.0	*	33.3	36.9	*	33.3	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	20.1	*	50.0	27.4	*	50.0	33.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.5	*	0.0	6.3	*	0.0	8.2	*
Open Reduction of Hip Fracture	6	0.0	7.8	*	0.0	14.6	*	0.0	19.0	*
Prostatectomy	13	0.0	2.1	*	0.0	5.2	*	0.0	8.4	*
Cholecystectomy	6	0.0	5.1	*	0.0	8.1	*	0.0	9.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	394	12.2	9.8	2.1	18.3	15.0	2.6	22.3	19.2	2.9
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	29.1	*	25.0	32.8	*	25.0	36.6	*
Congestive Heart Failure	22	50.0	18.7	*	59.1	28.0	*	59.1	35.3	*
Pneumonia/Influenza	25	12.0	14.6	*	24.0	19.8	*	28.0	24.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	12.2	*	16.7	21.9	*	16.7	29.5	*
Transient Cerebral Ischemia	7	14.3	1.5	*	14.3	3.4	*	14.3	5.4	*
Stroke	17	23.5	18.6	*	29.4	24.7	*	29.4	29.2	*
Hip Fracture	8	0.0	8.2	*	0.0	14.2	*	0.0	17.8	*
Sepsis	8	75.0	33.1	*	75.0	38.6	*	75.0	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.1	*	0.0	9.4	*	0.0	12.5	*
Open Reduction of Hip Fracture	4	0.0	10.3	*	0.0	18.7	*	0.0	23.5	*
Prostatectomy	12	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	3	0.0	1.2	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CARLISLE HOSPITAL

246 Parker St
Carlisle, PA 17013

Medicare Provider Number: 390058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,571	10.8	10.8	1.3	16.9	15.7	1.7	20.6	19.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	76	31.6	28.6	6.3	35.5	31.7	7.0	38.2	35.1	7.1
Congestive Heart Failure	98	16.3	15.2	3.9	25.5	23.1	4.7	32.7	29.9	5.8
Pneumonia/Influenza	93	6.5	16.3	5.7	14.0	21.9	5.6	18.3	26.4	5.8
Chronic Obstructive Pulmonary Disease	14	0.0	8.5	*	0.0	14.7	*	7.1	19.9	*
Transient Cerebral Ischemia	9	0.0	2.3	*	11.1	5.1	*	22.2	8.2	*
Stroke	79	21.5	20.0	7.5	29.1	26.0	7.9	32.9	30.5	7.4
Hip Fracture	56	8.9	6.6	3.6	16.1	12.2	5.0	23.2	16.0	8.0
Sepsis	37	24.3	29.9	*	43.2	36.7	*	43.2	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	4.4	*	14.3	6.9	*	14.3	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	42	2.4	2.7	*	4.8	5.3	*	7.1	7.3	*
Open Reduction of Hip Fracture	28	10.7	6.0	*	17.9	11.5	*	28.6	15.4	*
Prostatectomy	57	0.0	1.0	1.6	0.0	2.4	3.0	1.8	4.0	3.3
Cholecystectomy	60	1.7	2.1	1.9	3.3	3.6	2.5	3.3	4.6	2.9
Hysterectomy	12	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 207
Occupancy Rate 50
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 79
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 106
Licensed Practical Nurses 63

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CARLISLE HOSPITAL

Medicare Provider Number: 390058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,644	9.6	10.0	0.8	14.8	14.5	0.9	19.0	18.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	76	27.6	26.0	5.1	31.6	29.6	5.4	35.5	33.4	5.9
Congestive Heart Failure	103	12.6	16.3	5.8	23.3	24.2	5.7	32.0	31.0	4.8
Pneumonia/Influenza	64	14.1	19.9	8.5	20.3	26.6	10.0	25.0	31.7	11.6
Chronic Obstructive Pulmonary Disease	24	0.0	7.9	*	20.8	14.1	*	29.2	19.5	*
Transient Cerebral Ischemia	11	9.1	3.2	*	18.2	7.8	*	18.2	12.6	*
Stroke	89	23.6	20.5	7.2	30.3	26.6	6.2	33.7	31.2	5.6
Hip Fracture	67	9.0	5.8	5.5	11.9	10.9	4.4	14.9	14.3	4.5
Sepsis	25	20.0	33.2	*	28.0	39.4	*	28.0	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	6.9	*	16.7	9.8	*	16.7	12.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	42	0.0	2.1	*	0.0	4.1	*	2.4	5.4	*
Open Reduction of Hip Fracture	30	13.3	5.3	*	20.0	10.4	*	23.3	13.9	*
Prostatectomy	49	0.0	2.2	*	2.0	4.0	*	4.1	6.1	*
Cholecystectomy	49	4.1	3.4	*	4.1	5.6	*	8.2	6.9	*
Hysterectomy	21	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,508	10.7	10.8	0.8	16.0	15.7	1.0	19.7	19.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	82	24.4	28.3	6.8	25.6	31.8	7.9	28.0	35.5	8.9
Congestive Heart Failure	98	16.3	16.0	3.7	21.4	23.6	5.1	26.5	30.2	6.1
Pneumonia/Influenza	46	13.0	18.5	*	30.4	24.9	*	34.8	29.8	*
Chronic Obstructive Pulmonary Disease	25	16.0	10.7	*	20.0	17.3	*	32.0	22.8	*
Transient Cerebral Ischemia	11	0.0	2.3	*	0.0	4.9	*	0.0	7.7	*
Stroke	79	21.5	22.5	5.5	31.6	28.9	5.9	32.9	33.7	5.4
Hip Fracture	40	2.5	6.8	*	7.5	12.2	*	12.5	15.6	*
Sepsis	20	15.0	25.4	*	25.0	32.9	*	30.0	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	2.7	*	14.3	5.5	*	14.3	8.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	27	3.7	2.8	*	3.7	5.8	*	3.7	8.2	*
Open Reduction of Hip Fracture	26	3.8	6.5	*	11.5	12.1	*	19.2	15.7	*
Prostatectomy	44	0.0	1.0	*	0.0	2.5	*	0.0	4.1	*
Cholecystectomy	54	1.9	2.9	2.9	5.6	5.0	3.3	7.4	6.6	3.5
Hysterectomy	14	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider Number: 390058

Carlisle Hospital
P.O. Box 310, 246 Parker St., Carlisle
717-249-1212 • 1-800-[illegible]-4789

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Listed below you will find information relative to the FY 1989 Medicare Hospital Mortality Rates for Carlisle Hospital.

For the reader of the Medicare Hospital Mortality Rates: When reviewing Carlisle Hospital's rates you may note that this hospital has not exceeded the acceptable range for any of the categories in all three years. Unfortunately, some readers may only review the columns labelled "Observed" and "Predicted" and not give attention to the standard deviation (SD) which defines the acceptable range of variability that a hospital may experience in keeping with the predicted rate by the national experience with similar patients. In multiple instances, there are too few cases in particular categories to allow for meaningful analysis. These categories are indicated by an "*".

Carlisle Hospital has made the additional comments to explain the Medicare deaths.

- There were 1,571 Medicare patients treated during this time period. A total of 382 of these patients died. Of these 147 occurred at Carlisle Hospital. The remaining 235 patients died after being discharged from Carlisle Hospital, either at home, in a nursing home, or other location. The cause of these deaths would not be known to Carlisle Hospital since it was not involved in the delivery of care to the patient.

Since we now have established that only 147 Medicare deaths occurred at Carlisle Hospital for the time period mentioned, it is important to note the following:

- 108 patients or 73% of these deaths were classified as "Do Not Resuscitate" (DNR), who elected not to receive life-sustaining treatment that may have resulted in the patient surviving the hospitalization. Examples may have included basic hydration to that of artificial ventilation or even a surgical procedure.

- Of the remaining patients who were not classified as "DNR", it is noted that 28 of these patients were classified as having a terminal illness, where the deaths were quite expected or were admitted at a severity level defined by the MEDISGROUPS system as either high potential for organ failure or with the presence of organ failure.

- When using the Analytical Diagnostic Categories as found in Table 1 of the Technical Background of this document, 92% of Carlisle Hospital's deaths were found to be in the "average to catastrophic disorders" categories. The remaining 8% (12 deaths) were found to be "DNR" patients, patients with terminal conditions, patients rated with a high potential for organ failure, or patients with the presence of organ failure.

I hope the above information will be of assistance to those who review this statistical report.

Respectively,

Charles Lonchar
President and CEO

CARON HOSPITAL

Box 277 Galen Hall Road
Wernersville, PA 19565

Medicare Provider Number: 390275

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 209
Occupancy Rate 80
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 16
Licensed Practical Nurses 2

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CARON HOSPITAL

Medicare Provider Number: 390275

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24	0.0	0.5	*	0.0	1.1	*	4.2	1.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	20	0.0	0.4	*	5.0	0.8	*	5.0	1.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CENTRAL MEDICAL CENTER HOSPITAL

1200 Centre Ave
Pittsburgh, PA 15219

Medicare Provider Number: 390262

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,015	4.0	5.4	1.1	7.2	8.5	1.2	11.0	11.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	23.1	*	38.9	25.8	*	38.9	28.6	*
Congestive Heart Failure	50	4.0	14.4	*	10.0	22.1	*	20.0	28.6	*
Pneumonia/Influenza	12	8.3	15.4	*	25.0	21.3	*	25.0	25.9	*
Chronic Obstructive Pulmonary Disease	13	7.7	10.7	*	23.1	17.4	*	23.1	22.2	*
Transient Cerebral Ischemia	12	8.3	2.2	*	8.3	4.8	*	16.7	7.3	*
Stroke	12	16.7	19.8	*	16.7	25.7	*	33.3	29.6	*
Hip Fracture	7	0.0	6.4	*	0.0	10.8	*	0.0	13.7	*
Sepsis	1	0.0	24.1	*	0.0	35.9	*	0.0	43.3	*
PROCEDURES:										
Angioplasty	70	2.9	2.0	2.3	4.3	2.9	3.1	8.6	3.8	3.5
Coronary Artery Bypass Graft	64	1.6	4.1	3.6	1.6	5.9	4.9	4.7	7.0	4.7
Initial Pacemaker Insertion	11	0.0	2.7	*	9.1	6.2	*	9.1	9.9	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.8	*	0.0	2.5	*
Hip Replacement/Reconstruction	2	0.0	4.9	*	0.0	8.7	*	0.0	11.1	*
Open Reduction of Hip Fracture	5	0.0	6.0	*	0.0	10.7	*	0.0	13.7	*
Prostatectomy	19	5.3	1.5	*	10.5	3.4	*	15.8	5.7	*
Cholecystectomy	6	0.0	1.8	*	16.7	3.1	*	16.7	3.8	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 176
Occupancy Rate 41
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 122
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 7
Registered Nurses 139
Licensed Practical Nurses 36

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CENTRAL MEDICAL CENTER HOSPITAL

Medicare Provider Number: 390262

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,134	3.8	5.1	0.9	6.7	8.0	1.0	9.3	10.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	13	30.8	27.9	*	30.8	32.0	*	30.8	36.1	*
Congestive Heart Failure	30	10.0	15.0	*	20.0	23.3	*	26.7	30.1	*
Pneumonia/Influenza	6	33.3	14.4	*	33.3	19.3	*	33.3	23.6	*
Chronic Obstructive Pulmonary Disease	8	0.0	6.0	*	0.0	10.6	*	0.0	14.9	*
Transient Cerebral Ischemia	26	0.0	1.8	*	0.0	3.5	*	3.8	5.3	*
Stroke	20	15.0	21.7	*	25.0	28.9	*	25.0	33.4	*
Hip Fracture	8	0.0	7.6	*	0.0	13.0	*	12.5	16.1	*
Sepsis	3	33.3	27.7	*	33.3	32.8	*	33.3	38.6	*
PROCEDURES:										
Angioplasty	70	4.3	2.4	3.5	4.3	3.3	5.1	8.6	4.2	5.5
Coronary Artery Bypass Graft	40	0.0	5.4	*	5.0	7.5	*	7.5	8.7	*
Initial Pacemaker Insertion	10	0.0	6.2	*	0.0	11.8	*	10.0	16.4	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	7	0.0	3.7	*	0.0	6.9	*	0.0	8.9	*
Open Reduction of Hip Fracture	4	0.0	7.7	*	0.0	13.5	*	25.0	16.8	*
Prostatectomy	30	0.0	1.0	*	0.0	2.5	*	3.3	4.3	*
Cholecystectomy	5	20.0	3.5	*	40.0	6.8	*	40.0	8.9	*
Hysterectomy	4	0.0	0.8	*	25.0	2.0	*	25.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,180	4.9	5.4	0.8	7.4	8.5	1.1	10.2	10.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	17	35.3	24.6	*	35.3	27.8	*	35.3	30.9	*
Congestive Heart Failure	29	13.8	19.2	*	20.7	28.7	*	31.0	36.1	*
Pneumonia/Influenza	11	18.2	14.6	*	18.2	19.4	*	18.2	23.6	*
Chronic Obstructive Pulmonary Disease	10	10.0	9.6	*	20.0	16.2	*	20.0	21.4	*
Transient Cerebral Ischemia	20	0.0	2.2	*	5.0	5.0	*	10.0	7.9	*
Stroke	18	27.8	24.1	*	33.3	31.1	*	61.1	35.5	*
Hip Fracture	8	0.0	8.4	*	12.5	15.1	*	12.5	19.0	*
Sepsis	6	0.0	22.2	*	0.0	28.1	*	16.7	33.5	*
PROCEDURES:										
Angioplasty	83	4.8	3.4	2.3	6.0	4.2	2.5	6.0	5.2	2.9
Coronary Artery Bypass Graft	23	4.3	5.1	*	4.3	6.5	*	8.7	7.4	*
Initial Pacemaker Insertion	8	0.0	1.8	*	0.0	4.2	*	0.0	7.0	*
Carotid Endarterectomy	2	50.0	2.0	*	50.0	3.5	*	50.0	5.1	*
Hip Replacement/Reconstruction	12	0.0	3.7	*	8.3	6.7	*	8.3	8.4	*
Open Reduction of Hip Fracture	4	0.0	8.4	*	0.0	15.7	*	0.0	20.1	*
Prostatectomy	39	2.6	1.1	*	7.7	2.7	*	10.3	4.5	*
Cholecystectomy	15	0.0	2.2	*	0.0	3.6	*	0.0	4.5	*
Hysterectomy	4	0.0	0.8	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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CENTRAL MEDICAL CENTER & HOSPITAL
1200 Centre Avenue, Pittsburgh, PA 15219
(412) 562-3000

January 14, 1991

390262

RE: CENTRAL MEDICAL CENTER & HOSPITAL'S COMMENTS ON THE 1989 HCFA MORTALITY RATES

The number of cases contained in all but two of the diagnostic and procedure categories is too small to be meaningful. Two of the categories with insufficient case volume reported a higher observed than predicted rate during two or more years.

Acute myocardial infarction deaths or heart attack. Though not statistically significant, deaths were higher than predicted. We expect that finding will probably continue. As a cardiac emergency center, the majority of patients who are treated for heart attack have the heart attack interrupted and stopped by interventional cardiac procedures. As a result, these patients are not classified as having an MI. The volume of heart attacks is smaller and severity of illness is much higher. Most of these patients were Life Flighted to Central Medical Center & Hospital and the patients who died all had previous heart attacks with left ventricular akinesis.

Prostatectomy. Each of the deaths were patients with cancer that had spread to other body systems. The procedure was done to stop bleeding (1) and maintain an open urethra (2).

Our angioplasty mortality rate does not exceed the predicted rate when the standard deviation is considered at 30 days after and at 90 days after admission. Only at 180 days after admission does the angioplasty patients' mortality exceed the standard deviation range by 1.3. After review of these cases, we find that each of the three patients that died had heart attacks prior to the angioplasty and although their angioplasties were successful, their risk, of death in the future was very high. Each of the three patients were recovered from the angioplasty procedure at discharge and were to follow up with their physicians within a period of a week or two. Additionally, each of the three died after discharge, had no further hospital admissions at Central Medical and we were unable to determine cause of death.

Our overall mortality rate is less than predicted and there are no mortality rates in any category of FY 1988 or FY 1987 that are statistically significant.

Sincerely,

Thomas M. Gallagher
President

TMG:emg/tmg2

CENTRE COMMUNITY HOSPITAL

1800 E Park Ave
State College, PA 16803

Medicare Provider Number: 390268

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,639	10.1	9.2	1.2	14.6	14.3	1.8	19.5	18.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	76	25.0	26.7	5.2	32.9	30.0	5.5	38.2	33.4	6.2
Congestive Heart Failure	95	12.6	15.5	7.4	21.1	24.3	7.5	28.4	31.5	7.0
Pneumonia/Influenza	75	30.7	16.2	6.7	36.0	22.8	6.7	38.7	27.6	6.5
Chronic Obstructive Pulmonary Disease	32	18.8	5.5	*	21.9	9.7	*	25.0	13.4	*
Transient Cerebral Ischemia	35	0.0	2.2	*	0.0	4.9	*	5.7	7.7	*
Stroke	54	20.4	19.2	5.5	20.4	25.5	7.2	24.1	29.8	8.3
Hip Fracture	44	6.8	5.8	*	15.9	10.8	*	18.2	14.3	*
Sepsis	18	38.9	23.5	*	44.4	31.4	*	50.0	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	4.9	*	5.3	7.9	*	10.5	10.5	*
Carotid Endarterectomy	11	0.0	1.1	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	23	8.7	3.9	*	13.0	7.3	*	17.4	9.5	*
Open Reduction of Hip Fracture	23	0.0	5.1	*	13.0	10.1	*	13.0	13.7	*
Prostatectomy	44	0.0	0.8	*	2.3	1.9	*	2.3	3.3	*
Cholecystectomy	36	5.6	1.7	*	5.6	3.1	*	5.6	4.1	*
Hysterectomy	21	0.0	0.4	*	4.8	1.0	*	4.8	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 191
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 135
Percent of Physicians Board Certified Specialists 86
Medical Residents/Interns 0
Registered Nurses 173
Licensed Practical Nurses 61

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CENTRE COMMUNITY HOSPITAL

Medicare Provider Number: 390268

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,729	8.8	10.0	1.3	15.1	15.2	0.9	19.4	19.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	70	30.0	33.4	7.1	41.4	36.8	6.8	44.3	40.5	9.4
Congestive Heart Failure	121	19.0	17.4	3.9	27.3	26.3	4.1	35.5	33.3	4.7
Pneumonia/Influenza	67	14.9	17.1	5.6	28.4	23.6	8.6	31.3	28.1	9.0
Chronic Obstructive Pulmonary Disease	38	2.6	5.8	*	13.2	10.8	*	23.7	15.2	*
Transient Cerebral Ischemia	41	0.0	1.9	*	0.0	4.0	*	0.0	6.1	*
Stroke	55	14.5	21.5	10.0	20.0	28.0	12.5	25.5	32.5	12.8
Hip Fracture	44	0.0	7.0	*	11.4	12.9	*	13.6	16.6	*
Sepsis	16	25.0	30.0	*	25.0	37.9	*	25.0	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	6.5	*	10.0	9.9	*	10.0	12.7	*
Carotid Endarterectomy	9	0.0	1.6	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	28	0.0	3.5	*	10.7	7.1	*	14.3	9.7	*
Open Reduction of Hip Fracture	22	0.0	6.4	*	9.1	11.9	*	9.1	15.5	*
Prostatectomy	52	0.0	0.9	1.8	1.9	2.1	2.4	3.8	3.4	3.4
Cholecystectomy	33	6.1	2.9	*	9.1	5.4	*	21.2	7.1	*
Hysterectomy	17	0.0	1.6	*	0.0	3.1	*	5.9	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,755	10.7	10.9	1.0	15.6	16.1	1.4	18.9	20.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	90	33.3	31.8	5.1	38.9	35.5	5.8	43.3	39.0	6.8
Congestive Heart Failure	98	17.3	17.1	4.2	25.5	25.5	4.4	34.7	32.5	5.3
Pneumonia/Influenza	85	14.1	18.4	5.4	21.2	25.1	5.9	23.5	30.2	7.9
Chronic Obstructive Pulmonary Disease	27	7.4	6.3	*	11.1	11.8	*	14.8	16.4	*
Transient Cerebral Ischemia	28	0.0	2.5	*	3.6	5.6	*	3.6	8.9	*
Stroke	82	23.2	25.2	5.3	29.3	32.0	5.9	31.7	36.7	7.7
Hip Fracture	44	2.3	8.0	*	2.3	14.4	*	11.4	18.4	*
Sepsis	15	46.7	31.9	*	53.3	42.3	*	53.3	48.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	8.3	5.6	*	16.7	11.0	*	16.7	15.5	*
Carotid Endarterectomy	18	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	30	0.0	4.2	*	0.0	7.7	*	6.7	10.0	*
Open Reduction of Hip Fracture	21	0.0	6.0	*	0.0	11.4	*	0.0	15.2	*
Prostatectomy	60	0.0	1.4	1.8	1.7	3.3	2.6	3.3	5.3	3.2
Cholecystectomy	32	0.0	2.8	*	0.0	4.8	*	0.0	6.1	*
Hysterectomy	17	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

59.1

1800 East Park Avenue State College, PA 16803-6797 814 238-4351

Centre Community Hospital

Medicare Provider Number: 390268

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Centre Community Hospital appreciates the opportunity to participate in and provide comments on the Health Care Financing Administrations' annual release of Medicare hospital mortality information. We would, however, caution readers that this mortality information has significant limitations for public use, and should not be used as the sole basis for evaluating hospital performance or making final health care decisions.

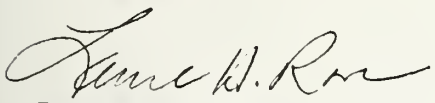
This mortality information is an important component of Centre Community Hospital's overall quality assurance activities intended to evaluate the quality and appropriateness of services provided. Critical to this quality assurance process, however, is individual case review designed to evaluate and understand the differences between the observed and predicted mortality rates. Only after this additional peer review has been accomplished can valid conclusions be drawn concerning a hospital's performance or effectiveness. The data, as published, does not adequately consider individual patient characteristics such as age, coexisting medical conditions or associated chronic problems (especially cancer), or "do not resuscitate" status in computing the "predicted" mortality rates.

Further, it is important to recognize the role of the "standard deviation" (SD) factor which relates to the uncertainty of the predicted mortality rate. In interpreting the published data, HCFA suggests the following rule of thumb for applying the standard deviation in order to create a "confidence interval." To create a 95% confidence level, you must add two standard deviations to the predicted mortality rate to find the upper limit, and subtract two standard deviations to fix the lower boundary. Then, if the observed mortality rate is within this confidence range, you can be 95% certain that the difference between the observed and expected rates is the result of random variation, and therefore not likely to be meaningful.

Applying the above interpretation technique to Centre Community Hospital's data reveals that all 30-, 90- and 180-day mortality rates for all three years fall within the expected or predicted confidence range, with one exception. This means that for all published data (again, with one exception) the differences noted between the observed and predicted mortality rates can be considered the result of random variation and not meaningful for comparative purposes. It is noted that the FY 1989 30-day mortality rate for pneumonia/influenza patients slightly exceeds the upper confidence range by approximately 1% (30.7% vs. 29.6%). Further review of these cases reveal that, in all instances, the patients' medical care was appropriately managed. The difference in mortality rates can, in part, be explained by the patients' advanced age and coexisting medical problems. It should also be noted that the majority of these patients were "do not resuscitate" status upon admission to the Hospital. In summary, the noted variance is the result of the limitations of the published data, and is not representative of any problems in patient care.

Centre Community Hospital stands committed to the ongoing internal evaluation of our health care services and to the delivery of cost effective, quality health care. It is our opinion that the published mortality information is reflective of the high quality care we provide.

Sincerely,



Lance H. Rose
President and Chief Executive Officer

pp

CHAMBERSBURG HOSPITAL

112 N 7 St P O Box 187
Chambersburg, PA 17201

Medicare Provider Number: 390151

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,948	10.2	9.8	1.0	14.9	14.4	1.0	18.2	18.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	87	43.7	26.3	7.2	49.4	29.6	7.5	50.6	33.2	7.5
Congestive Heart Failure	105	14.3	15.4	3.6	26.7	23.8	4.5	30.5	30.7	4.5
Pneumonia/Influenza	86	16.3	16.3	4.2	18.6	22.1	5.7	22.1	26.8	6.5
Chronic Obstructive Pulmonary Disease	36	5.6	6.5	*	5.6	11.6	*	16.7	16.3	*
Transient Cerebral Ischemia	30	3.3	2.4	*	6.7	5.3	*	6.7	8.5	*
Stroke	98	15.3	22.3	4.8	24.5	28.1	6.0	28.6	32.6	4.9
Hip Fracture	66	7.6	7.2	3.2	10.6	12.8	4.7	10.6	16.4	6.0
Sepsis	15	26.7	27.2	*	33.3	36.6	*	33.3	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	3.6	*	10.0	6.4	*	15.0	9.2	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	27	3.7	2.5	*	3.7	5.0	*	3.7	7.2	*
Open Reduction of Hip Fracture	41	12.2	6.8	*	14.6	12.6	*	14.6	16.4	*
Prostatectomy	69	2.9	1.1	2.1	4.3	2.6	3.1	7.2	4.4	3.4
Cholecystectomy	56	3.6	2.2	2.1	3.6	4.0	2.6	3.6	5.3	3.3
Hysterectomy	16	6.3	0.3	*	6.3	0.7	*	6.3	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 217
Occupancy Rate 74
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 96
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 195
Licensed Practical Nurses 121

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CHAMBERSBURG HOSPITAL

Medicare Provider Number: 390151

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,104	10.3	9.3	0.8	14.2	13.8	0.8	17.1	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	83	22.9	27.2	7.4	27.7	30.5	7.7	30.1	34.1	7.3
Congestive Heart Failure	97	22.7	14.8	5.8	35.1	22.7	7.6	38.1	29.3	6.7
Pneumonia/Influenza	90	14.4	16.8	4.3	17.8	22.7	5.7	22.2	27.3	5.9
Chronic Obstructive Pulmonary Disease	36	13.9	7.6	*	13.9	13.5	*	19.4	18.8	*
Transient Cerebral Ischemia	45	2.2	2.0	*	2.2	4.3	*	8.9	6.8	*
Stroke	92	19.6	22.3	5.9	25.0	28.2	8.3	27.2	32.9	8.5
Hip Fracture	75	6.7	5.7	2.8	12.0	10.7	3.8	12.0	14.0	4.4
Sepsis	16	25.0	22.4	*	37.5	29.1	*	37.5	34.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	34	11.8	8.5	*	11.8	11.7	*	14.7	14.7	*
Carotid Endarterectomy	16	6.3	1.4	*	6.3	2.6	*	6.3	3.9	*
Hip Replacement/Reconstruction	32	3.1	2.8	*	9.4	5.5	*	9.4	7.4	*
Open Reduction of Hip Fracture	51	5.9	5.4	3.9	9.8	10.5	5.6	9.8	13.9	6.4
Prostatectomy	78	1.3	0.8	1.2	2.6	2.0	2.1	3.8	3.4	3.0
Cholecystectomy	66	1.5	2.4	2.2	1.5	4.3	3.3	3.0	5.6	3.4
Hysterectomy	15	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,044	9.0	9.8	0.9	13.4	14.5	1.3	16.8	18.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	79	30.4	27.7	5.6	32.9	31.0	5.3	32.9	34.5	5.4
Congestive Heart Failure	82	18.3	18.0	4.3	29.3	26.5	5.5	35.4	33.4	5.5
Pneumonia/Influenza	61	9.8	17.5	6.4	14.8	23.4	7.6	19.7	28.1	7.6
Chronic Obstructive Pulmonary Disease	29	6.9	9.2	*	17.2	15.4	*	27.6	20.4	*
Transient Cerebral Ischemia	39	0.0	2.2	*	5.1	4.8	*	5.1	7.6	*
Stroke	95	16.8	22.1	8.4	23.2	27.9	7.9	29.5	32.5	7.0
Hip Fracture	61	3.3	5.5	3.6	9.8	10.4	4.4	13.1	13.9	4.5
Sepsis	18	27.8	22.9	*	27.8	29.7	*	27.8	34.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	42	0.0	3.1	*	0.0	6.0	*	4.8	8.8	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.5	*	0.0	3.5	*
Hip Replacement/Reconstruction	39	2.6	3.2	*	2.6	6.5	*	2.6	8.8	*
Open Reduction of Hip Fracture	32	3.1	4.5	*	9.4	8.9	*	12.5	12.1	*
Prostatectomy	72	0.0	0.9	1.4	0.0	2.2	2.5	1.4	3.7	2.9
Cholecystectomy	61	3.3	2.8	2.1	6.6	5.2	3.1	9.8	6.7	3.9
Hysterectomy	14	0.0	0.9	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Office of the President

THE CHAMBERSBURG HOSPITAL
112 North Seventh Street, P.O. Box 187
Chambersburg, Pennsylvania 17201-0187
Telephone: (717) 267-7138
FAX: (717) 267-7704

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Our findings on the number of acute myocardial infarctions among medicare patients is significantly different than the data reported for the Chambersburg Hospital in the HCFA FY89 Medicare Hospital Mortality Rates.

Data for this condition was not in line with information on other diagnoses or for acute MIs for past years. Therefore, we made a thorough review of our MedisGroups data for Medicare admissions between October 1, 1988 and September 30, 1989. We found:

DRG	Number of Patients
121 AMI, CV Comp, alive	54
122 AMI, wo CV Comp, alive	46
123 AMI, expired	41
Total	141

Thus, our actual number of cases of acute myocardial infarctions was 62% higher than the number of cases reported by HCFA, and our observed mortality is 29.1% rather than 43.7%.

For the HCFA data to be useful, it is important that, in the case of multiple admissions for the same patient, the diagnosis to which a death is related be accurate. We would encourage you to take steps necessary to ensure statistically valid information.

Sincerely,

Norman B. Epstein
President

NBE/s

CHARLES COLE MEMORIAL HOSPITAL

Rd 3
Coudersport, PA 16915

Medicare Provider Number: 390246

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	743	7.8	8.9	1.5	12.9	13.1	1.4	16.0	16.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	23	17.4	26.7	*	26.1	30.1	*	26.1	33.8	*
Congestive Heart Failure	40	10.0	14.8	*	25.0	22.5	*	32.5	28.9	*
Pneumonia/Influenza	36	22.2	16.8	*	25.0	23.1	*	27.8	28.0	*
Chronic Obstructive Pulmonary Disease	29	6.9	9.1	*	10.3	15.8	*	17.2	21.6	*
Transient Cerebral Ischemia	14	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	26	15.4	19.5	*	23.1	25.3	*	23.1	29.5	*
Hip Fracture	20	5.0	5.4	*	10.0	9.6	*	15.0	12.5	*
Sepsis	4	0.0	23.0	*	50.0	29.5	*	50.0	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	1.4	*	0.0	2.7	*	5.3	3.8	*
Open Reduction of Hip Fracture	10	10.0	5.8	*	20.0	10.7	*	20.0	14.0	*
Prostatectomy	29	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	11	9.1	1.3	*	9.1	2.2	*	9.1	2.8	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	135
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	61
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHARLES COLE MEMORIAL HOSPITAL

Medicare Provider Number: 390246

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	836	9.0	8.2	1.1	12.9	12.6	1.5	16.5	16.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	24	45.8	28.0	*	45.8	31.3	*	50.0	35.0	*
Congestive Heart Failure	34	26.5	19.2	*	35.3	29.1	*	41.2	36.6	*
Pneumonia/Influenza	28	7.1	16.9	*	10.7	22.7	*	21.4	27.5	*
Chronic Obstructive Pulmonary Disease	27	7.4	10.9	*	18.5	18.2	*	29.6	24.1	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.7	*	3.7	7.5	*
Stroke	27	29.6	24.2	*	37.0	31.3	*	48.1	36.1	*
Hip Fracture	16	18.8	8.6	*	18.8	15.8	*	25.0	20.3	*
Sepsis	3	66.7	39.6	*	66.7	48.6	*	66.7	55.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	28	0.0	1.8	*	3.6	3.7	*	7.1	5.2	*
Open Reduction of Hip Fracture	5	20.0	7.1	*	20.0	14.3	*	20.0	19.2	*
Prostatectomy	33	0.0	0.9	*	3.0	2.3	*	3.0	4.0	*
Cholecystectomy	20	0.0	3.2	*	15.0	5.9	*	15.0	7.8	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	876	8.2	8.5	1.3	12.3	13.0	1.4	16.4	16.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	26.2	*	27.3	30.1	*	31.8	33.9	*
Congestive Heart Failure	38	26.3	16.2	*	36.8	24.7	*	42.1	31.6	*
Pneumonia/Influenza	58	10.3	17.7	9.0	13.8	23.7	10.6	19.0	28.7	10.5
Chronic Obstructive Pulmonary Disease	24	8.3	11.5	*	8.3	18.6	*	20.8	24.1	*
Transient Cerebral Ischemia	24	0.0	1.8	*	0.0	3.8	*	8.3	6.1	*
Stroke	40	15.0	20.6	*	25.0	27.0	*	30.0	31.5	*
Hip Fracture	10	30.0	5.7	*	30.0	10.2	*	30.0	13.1	*
Sepsis	10	10.0	28.6	*	20.0	35.3	*	50.0	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	10.0	2.6	*	15.0	4.9	*	15.0	6.6	*
Open Reduction of Hip Fracture	3	0.0	5.5	*	0.0	10.1	*	0.0	13.1	*
Prostatectomy	39	2.6	0.5	*	2.6	1.3	*	2.6	2.2	*
Cholecystectomy	15	0.0	1.3	*	0.0	2.2	*	6.7	2.9	*
Hysterectomy	4	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHESTER COUNTY HOSPITAL

701 East Marshall St
West Chester, PA 19380

Medicare Provider Number: 390179

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,900	7.8	11.2	0.8	13.0	16.8	1.0	17.8	21.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	62	21.0	22.5	7.0	22.6	27.0	7.2	24.2	30.9	8.8
Congestive Heart Failure	113	11.5	17.4	5.2	18.6	26.3	6.7	26.5	33.5	7.6
Pneumonia/Influenza	95	9.5	16.5	6.9	15.8	22.6	6.8	20.0	27.4	7.1
Chronic Obstructive Pulmonary Disease	58	0.0	8.3	8.5	5.2	14.6	9.4	12.1	20.1	8.4
Transient Cerebral Ischemia	32	0.0	2.0	*	0.0	4.4	*	0.0	6.9	*
Stroke	52	15.4	22.8	9.6	23.1	28.8	11.5	25.0	33.3	13.9
Hip Fracture	59	8.5	7.2	4.3	15.3	13.2	4.8	16.9	17.3	5.0
Sepsis	51	29.4	26.6	7.5	37.3	36.7	7.5	49.0	44.2	7.6
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	3.3	*	4.8	6.8	*	9.5	10.2	*
Carotid Endarterectomy	8	0.0	1.6	*	12.5	3.2	*	12.5	4.8	*
Hip Replacement/Reconstruction	30	6.7	5.6	*	6.7	10.9	*	6.7	14.6	*
Open Reduction of Hip Fracture	28	10.7	6.4	*	21.4	12.1	*	25.0	15.9	*
Prostatectomy	45	0.0	1.6	*	2.2	3.3	*	2.2	5.2	*
Cholecystectomy	26	3.8	1.9	*	3.8	3.0	*	7.7	3.7	*
Hysterectomy	16	0.0	1.0	*	6.3	2.1	*	6.3	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	250
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	190
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	269
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHESTER COUNTY HOSPITAL

Medicare Provider Number: 390179

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,047	8.9	10.9	1.0	14.8	16.4	1.0	19.6	20.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	74	20.3	26.5	8.6	24.3	30.4	9.3	28.4	34.3	8.9
Congestive Heart Failure	144	15.3	18.6	6.3	25.0	28.5	6.5	34.0	36.2	6.5
Pneumonia/Influenza	78	15.4	18.9	5.6	23.1	25.7	5.9	26.9	30.8	7.7
Chronic Obstructive Pulmonary Disease	40	0.0	7.8	*	5.0	13.8	*	10.0	19.1	*
Transient Cerebral Ischemia	49	0.0	2.4	*	2.0	5.4	*	4.1	8.5	*
Stroke	68	20.6	22.5	6.5	25.0	29.4	8.1	29.4	34.1	9.5
Hip Fracture	66	4.5	6.3	5.1	7.6	11.7	6.5	12.1	15.2	6.0
Sepsis	36	33.3	27.5	*	52.8	36.1	*	55.6	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	7.9	*	12.5	11.5	*	18.8	14.4	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	34	0.0	3.3	*	0.0	6.6	*	5.9	9.1	*
Open Reduction of Hip Fracture	29	6.9	5.6	*	10.3	10.8	*	10.3	14.3	*
Prostatectomy	43	0.0	1.8	*	2.3	3.4	*	2.3	5.1	*
Cholecystectomy	28	0.0	2.6	*	3.6	5.2	*	7.1	7.2	*
Hysterectomy	18	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,944	8.7	10.2	1.0	14.2	15.1	0.9	18.5	19.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	79	32.9	29.2	9.0	39.2	32.9	9.0	41.8	36.7	7.8
Congestive Heart Failure	138	16.7	17.5	3.3	31.2	26.7	5.4	37.7	34.0	6.2
Pneumonia/Influenza	70	15.7	15.6	5.9	28.6	21.3	9.2	30.0	25.9	8.1
Chronic Obstructive Pulmonary Disease	45	4.4	11.6	*	13.3	18.6	*	15.6	24.1	*
Transient Cerebral Ischemia	49	0.0	1.9	*	4.1	4.2	*	4.1	6.7	*
Stroke	63	20.6	24.6	6.4	27.0	31.4	8.5	28.6	36.3	11.7
Hip Fracture	77	9.1	6.0	4.7	13.0	11.5	5.2	14.3	15.4	6.6
Sepsis	41	12.2	31.4	*	22.0	39.9	*	31.7	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	4.8	*	0.0	8.3	*	4.5	11.5	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	2.6	*	0.0	3.6	*
Hip Replacement/Reconstruction	34	2.9	3.0	*	5.9	6.2	*	8.8	8.6	*
Open Reduction of Hip Fracture	46	13.0	5.8	*	15.2	11.6	*	15.2	15.7	*
Prostatectomy	49	4.1	1.2	*	6.1	2.9	*	8.2	4.6	*
Cholecystectomy	40	5.0	4.5	*	12.5	8.6	*	17.5	11.7	*
Hysterectomy	16	6.3	1.4	*	6.3	3.0	*	12.5	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHESTNUT HILL HOSPITAL

8835 Germantown Ave
Philadelphia, PA 19118

Medicare Provider Number: 390026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,098	10.4	11.2	0.9	16.5	16.7	0.9	20.4	21.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	56	25.0	30.7	8.3	33.9	34.2	10.2	33.9	37.7	6.7
Congestive Heart Failure	104	11.5	15.3	6.7	17.3	23.6	8.1	26.9	30.6	6.6
Pneumonia/Influenza	82	18.3	18.3	4.3	26.8	24.6	6.6	29.3	29.5	5.5
Chronic Obstructive Pulmonary Disease	28	7.1	6.6	*	14.3	11.4	*	21.4	15.6	*
Transient Cerebral Ischemia	31	3.2	2.3	*	3.2	5.2	*	6.5	8.5	*
Stroke	107	19.6	22.7	5.6	27.1	28.8	6.3	30.8	33.2	5.2
Hip Fracture	100	12.0	7.5	3.8	16.0	13.4	3.8	17.0	17.2	3.8
Sepsis	33	27.3	35.5	*	39.4	43.9	*	51.5	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	3.5	*	9.5	7.5	*	14.3	11.2	*
Carotid Endarterectomy	1	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*
Hip Replacement/Reconstruction	42	2.4	4.5	*	4.8	8.4	*	7.1	11.2	*
Open Reduction of Hip Fracture	69	14.5	6.7	4.3	17.4	12.4	4.7	17.4	16.1	5.9
Prostatectomy	78	0.0	1.4	2.5	5.1	3.1	3.0	7.7	5.0	4.8
Cholecystectomy	36	0.0	3.8	*	0.0	7.0	*	8.3	9.3	*
Hysterectomy	13	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 182
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 234
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 20
Registered Nurses 242
Licensed Practical Nurses 1

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CHESTNUT HILL HOSPITAL

Medicare Provider Number: 390026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,265	11.3	11.1	1.0	16.7	16.3	0.8	21.3	20.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	84	23.8	27.1	5.9	23.8	30.4	6.8	27.4	34.0	7.6
Congestive Heart Failure	102	6.9	16.9	5.1	17.6	25.5	5.1	33.3	32.5	4.7
Pneumonia/Influenza	75	18.7	20.0	4.8	28.0	26.6	5.2	30.7	31.6	6.1
Chronic Obstructive Pulmonary Disease	43	9.3	10.1	*	20.9	16.8	*	30.2	22.3	*
Transient Cerebral Ischemia	27	3.7	2.2	*	7.4	4.8	*	7.4	7.7	*
Stroke	113	22.1	23.2	4.1	31.0	29.6	4.5	36.3	34.3	5.2
Hip Fracture	97	5.2	6.4	3.3	8.2	12.1	5.4	11.3	15.7	7.0
Sepsis	26	38.5	36.1	*	50.0	43.9	*	61.5	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	2.8	*	0.0	5.6	*	10.0	8.2	*
Carotid Endarterectomy	1	0.0	2.0	*	0.0	4.3	*	0.0	6.5	*
Hip Replacement/Reconstruction	39	5.1	4.7	*	10.3	9.3	*	12.8	12.6	*
Open Reduction of Hip Fracture	63	4.8	5.4	3.4	6.3	10.7	5.3	6.3	14.3	6.5
Prostatectomy	95	1.1	1.3	1.2	2.1	2.7	2.3	5.3	4.2	2.6
Cholecystectomy	48	2.1	3.9	*	4.2	7.0	*	6.3	9.3	*
Hysterectomy	11	0.0	0.3	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,110	8.9	10.5	1.0	14.7	15.3	1.3	17.7	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	9.5	28.5	8.5	17.5	31.8	8.6	20.6	35.4	7.9
Congestive Heart Failure	74	17.6	17.0	4.5	25.7	25.4	5.1	31.1	32.4	5.8
Pneumonia/Influenza	64	20.3	19.0	5.8	29.7	25.1	10.6	29.7	29.8	10.5
Chronic Obstructive Pulmonary Disease	33	15.2	10.9	*	18.2	18.2	*	24.2	23.6	*
Transient Cerebral Ischemia	48	0.0	1.9	*	2.1	4.0	*	4.2	6.4	*
Stroke	101	23.8	23.9	4.4	28.7	30.1	4.9	32.7	34.7	5.1
Hip Fracture	112	7.1	6.5	2.4	12.5	12.0	3.2	16.1	15.8	3.5
Sepsis	24	25.0	37.6	*	37.5	44.6	*	41.7	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	11.1	7.6	*	11.1	11.8	*	16.7	14.9	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.6	*	0.0	2.2	*
Hip Replacement/Reconstruction	49	2.0	3.4	*	10.2	6.4	*	10.2	8.6	*
Open Reduction of Hip Fracture	65	7.7	5.8	3.4	10.8	11.5	4.1	12.3	15.3	5.2
Prostatectomy	81	2.5	1.1	1.6	4.9	2.8	2.5	6.2	4.7	3.9
Cholecystectomy	33	3.0	6.8	*	12.1	10.2	*	18.2	12.8	*
Hysterectomy	11	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CITIZENS GENERAL HOSPITAL

651 Fourth Ave
New Kensington, PA 15068

Medicare Provider Number: 390018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,044	9.4	10.0	1.1	15.6	15.2	1.7	19.3	19.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	68	26.5	26.2	7.6	29.4	29.0	6.4	33.8	32.3	5.9
Congestive Heart Failure	153	13.7	16.8	4.7	25.5	25.4	7.8	30.1	32.4	6.9
Pneumonia/Influenza	70	14.3	17.4	5.2	27.1	23.8	5.5	31.4	28.7	5.8
Chronic Obstructive Pulmonary Disease	44	4.5	5.1	*	6.8	9.3	*	9.1	13.0	*
Transient Cerebral Ischemia	40	0.0	2.0	*	5.0	4.7	*	5.0	7.7	*
Stroke	99	23.2	20.0	4.7	31.3	26.9	5.5	37.4	31.4	7.7
Hip Fracture	38	5.3	5.5	*	10.5	10.3	*	13.2	13.8	*
Sepsis	20	20.0	29.6	*	30.0	37.3	*	40.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	3.1	*	7.7	6.1	*	7.7	9.1	*
Carotid Endarterectomy	6	16.7	1.2	*	16.7	2.1	*	16.7	3.2	*
Hip Replacement/Reconstruction	15	0.0	4.6	*	0.0	8.9	*	0.0	12.3	*
Open Reduction of Hip Fracture	22	4.5	4.9	*	13.6	9.4	*	18.2	12.7	*
Prostatectomy	70	2.9	1.7	2.7	8.6	4.2	3.8	12.9	7.0	4.9
Cholecystectomy	45	2.2	3.8	*	4.4	6.4	*	6.7	8.2	*
Hysterectomy	27	0.0	1.7	*	0.0	3.2	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 203
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 91
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 182
Licensed Practical Nurses 11

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CITIZENS GENERAL HOSPITAL

Medicare Provider Number: 390018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,051	9.4	10.0	0.9	14.3	15.1	1.1	18.5	19.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	80	31.3	28.0	5.6	35.0	31.4	6.5	38.7	35.2	6.2
Congestive Heart Failure	144	20.1	16.6	5.3	26.4	24.8	4.3	31.9	31.6	3.9
Pneumonia/Influenza	80	12.5	16.1	5.5	17.5	22.1	6.4	21.2	26.8	7.3
Chronic Obstructive Pulmonary Disease	57	3.5	4.6	3.0	7.0	8.4	4.1	7.0	12.0	6.0
Transient Cerebral Ischemia	41	2.4	1.8	*	2.4	4.1	*	2.4	6.5	*
Stroke	79	19.0	21.8	6.3	26.6	28.4	7.8	29.1	33.0	8.5
Hip Fracture	34	0.0	5.6	*	0.0	10.3	*	5.9	13.4	*
Sepsis	23	21.7	29.6	*	34.8	37.1	*	47.8	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.9	*	10.0	7.4	*	10.0	10.7	*
Carotid Endarterectomy	4	0.0	1.8	*	0.0	3.7	*	0.0	5.6	*
Hip Replacement/Reconstruction	19	0.0	4.2	*	5.3	8.6	*	5.3	12.0	*
Open Reduction of Hip Fracture	15	0.0	5.4	*	0.0	10.3	*	6.7	13.7	*
Prostatectomy	78	0.0	1.0	2.9	5.1	2.6	3.7	7.7	4.4	5.1
Cholecystectomy	43	4.7	4.2	*	11.6	7.9	*	11.6	10.5	*
Hysterectomy	9	0.0	1.0	*	0.0	2.2	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,167	9.2	9.9	0.9	14.3	14.8	1.3	17.4	18.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	100	27.0	29.9	5.3	36.0	33.4	4.9	41.0	37.1	5.1
Congestive Heart Failure	148	14.2	16.8	4.1	21.6	24.9	6.7	26.4	31.7	7.0
Pneumonia/Influenza	62	14.5	16.0	6.7	17.7	22.1	6.7	22.6	27.0	7.8
Chronic Obstructive Pulmonary Disease	39	5.1	4.6	*	5.1	9.3	*	5.1	13.5	*
Transient Cerebral Ischemia	50	4.0	2.1	*	8.0	4.8	*	12.0	7.6	*
Stroke	89	22.5	20.1	5.0	27.0	26.9	4.7	27.0	31.4	6.7
Hip Fracture	43	7.0	7.1	*	14.0	12.8	*	18.6	16.5	*
Sepsis	19	26.3	30.5	*	36.8	37.6	*	42.1	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	5.7	*	20.0	10.6	*	20.0	15.3	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.6	*	0.0	3.6	*
Hip Replacement/Reconstruction	14	0.0	3.7	*	7.1	6.8	*	7.1	9.2	*
Open Reduction of Hip Fracture	30	10.0	7.0	*	16.7	13.4	*	23.3	17.5	*
Prostatectomy	90	0.0	1.1	1.9	1.1	2.5	2.2	3.3	4.2	2.5
Cholecystectomy	33	0.0	3.4	*	6.1	5.2	*	9.1	6.4	*
Hysterectomy	20	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

69.1

Citizens
General Hospital
651 Fourth Avenue
New Kensington, Pennsylvania 15068-6591
(412) 337-3541

Provider No. 390018

Comments or Medicare Hospital Mortality Information (FY1989)

Citizens General Hospital is a private, non-profit, acute care facility currently licensed for 232 beds. Acute care is defined as care requiring twenty-four-hour-a-day observation and treatment by a physician and/or nurse. Patients no longer requiring acute care are evaluated by their physician in cooperation with appropriate hospital professional staff for the need for continued care after discharge. Our Social Service Department and Home Care Coordinators make arrangements for those patients found to need continued care.

Data Verification

The data used by the Health Care Financing Administration (HCFA) includes 2,051 Medicare discharges from Citizens General Hospital in Federal fiscal year 1989 (FY1989) (October 1, 1988- September 30, 1989). Because this included only one randomly selected hospital stay for each of our Medicare patients discharged during this time period, this number is difficult for us to verify. Many Medicare patients have many admissions during the course of a year, and our internal data includes all of them. Of the 2,051 patients identified in the HCFA data, 192, or 9.4% of these patients died within 30 days after admission; 319, or 15.6% of these patients died within 90 days after admission; and 394, or 19.3% of these patients died within 180 days after admission. Three dates of death were found to be incorrect as listed. These corrections have been provided to HCFA.

Interpretation of Data

For FY1989, Citizens General Hospital's observed (OBS) or actual mortality rate was below HCFA's statistically developed predicted (PRED) mortality rate within 30 days after admission in six (6) out of the eight (8) condition categories listed and in four (4) out of the seven (7) procedure categories in which Citizens had patients. Citizens' actual mortality rate was also below the predicted rate within 90 & 180 days after admission in some of these categories. The same is true in many condition and procedure categories in fiscal year 1988 and 1987 as also shown. In performing additional widely accepted statistical analyses (the instructions for which were provided to each hospital by HCFA) on this data for categories in which Citizens actual mortality rate was above HCFA's predicted mortality rate, we found that the difference between Citizens actual mortality rate and the predicted mortality rate was not statistically significant in any category for any of the three fiscal years for which data was shown. In other words, the difference between Citizens' actual mortality rates and HCFA's predicted mortality rates was more than likely due to chance as opposed to any effect of the care and treatment provided at Citizens General Hospital.

The following should also be taken into consideration when interpreting this data:

1. The goal of Citizens General Hospital is to always provide quality care according to the patient's needs and based on

widely accepted standards of practice (expected care for a patiert with a given problem). Mortality rates alone do not provide a measure for the quality of care provided in hospitals. Each patiert's hospital stay must be evaluated to determine if appropriate quality of care was provided. Such an evaluation of appropriate care takes into consideration:

1. Age of the patient
2. Severity of the patient's illness
3. Diagnosis or diagnoses
4. Whether or not the patient or family accepts all of the care offered.

Quality of care is routinely evaluated and monitored in this manner by physician-supported committees at Citizens General Hospital. Review of the medical record of every patient who dies is an important part of this ongoing process.

2. HCFA assigned patients to diagnostic categories based on the reason for which they were admitted to the hospital. That diagnosis is not always, however, the cause of death. For instance, a patient who has had heart disease for a long time could be admitted to the hospital for an emergency appendectomy but suddenly die because of the heart disease. Similarly, the diagnosis for which a patient was admitted to the hospital may very well not be the cause of death of the patient after he/she was discharged from the hospital. (34% of the deaths included in the FY1989 data for Citizens occurred outside the hospital) A patient may have been discharged after suffering a heart attack and later killed in an accident. The cause of death for those patients who died in the hospital could only be determined by individual chart review. The cause of death for those who died after discharge from the hospital could not be determined since this information is not in the patient's hospital medical records.

3. HCFA also assigned patients to procedure categories if the patient had that specific surgical procedure performed. Similar considerations must be made here as in #2 above, i.e., the surgical procedure performed is not necessarily what caused the patient's death, and patients who had these procedures and then died after being discharged from the hospital may very well have not died as the result of anything related to the surgical procedure.

4. 66% of the Medicare deaths that occurred in Citizens General Hospital in FY1989 occurred in patients not categorized into one of the 17 categories. Admission diagnosis for these patients included various forms of cancer, acute respiratory failure, acute bronchitis, and cardiac arrhythmias.

5. This mortality report includes only Medicare patients. Medicare patients accounted for approximately 54% of the discharges from Citizens General Hospital in FY1989.

JAJ/rd

CLARION HOSPITAL

One Hospital Dr
Clarion, PA 16214

Medicare Provider Number: 390093

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	736	10.9	10.2	1.4	15.4	15.0	1.7	19.4	18.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	33	24.2	23.9	*	30.3	27.4	*	30.3	30.7	*
Congestive Heart Failure	47	10.6	15.6	*	14.9	23.9	*	25.5	30.7	*
Pneumonia/Influenza	35	11.4	16.4	*	20.0	22.1	*	22.9	26.7	*
Chronic Obstructive Pulmonary Disease	18	5.6	8.5	*	16.7	13.6	*	22.2	18.1	*
Transient Cerebral Ischemia	29	0.0	2.5	*	3.4	5.8	*	6.9	9.5	*
Stroke	19	31.6	20.8	*	31.6	27.7	*	42.1	32.2	*
Hip Fracture	16	6.3	8.9	*	6.3	15.1	*	12.5	19.0	*
Sepsis	8	62.5	36.2	*	62.5	44.9	*	75.0	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	5.6	*	12.5	9.9	*	12.5	13.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.0	*	0.0	8.4	*	0.0	10.7	*
Open Reduction of Hip Fracture	9	11.1	8.5	*	11.1	15.6	*	22.2	20.1	*
Prostatectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*
Cholecystectomy	9	11.1	7.8	*	22.2	13.5	*	22.2	16.3	*
Hysterectomy	3	0.0	1.5	*	0.0	3.0	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	87
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	52
Medical Residents/Interns	6
Registered Nurses	72
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CLARION HOSPITAL

Medicare Provider Number: 390093

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	660	11.1	10.7	2.0	14.7	15.5	1.8	18.9	19.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	22	36.4	27.6	*	36.4	30.7	*	36.4	34.2	*
Congestive Heart Failure	37	8.1	15.9	*	16.2	24.8	*	21.6	31.9	*
Pneumonia/Influenza	38	5.3	17.2	*	10.5	23.3	*	21.1	28.0	*
Chronic Obstructive Pulmonary Disease	18	16.7	9.3	*	22.2	16.2	*	33.3	22.0	*
Transient Cerebral Ischemia	25	8.0	2.7	*	8.0	6.2	*	16.0	9.9	*
Stroke	24	33.3	31.2	*	37.5	37.8	*	45.8	42.7	*
Hip Fracture	14	7.1	5.1	*	14.3	9.7	*	14.3	12.9	*
Sepsis	18	38.9	25.0	*	44.4	31.7	*	44.4	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	2.5	*	20.0	5.2	*	20.0	7.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	2.8	*	0.0	5.6	*	0.0	7.7	*
Open Reduction of Hip Fracture	10	0.0	4.5	*	10.0	9.0	*	10.0	12.1	*
Prostatectomy	2	0.0	2.3	*	0.0	6.5	*	0.0	11.9	*
Cholecystectomy	19	0.0	2.5	*	0.0	4.4	*	0.0	5.5	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	713	10.8	10.5	1.2	17.7	15.5	1.6	20.9	19.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	31	35.5	25.9	*	41.9	29.7	*	41.9	33.3	*
Congestive Heart Failure	39	15.4	17.3	*	28.2	26.4	*	33.3	33.5	*
Pneumonia/Influenza	37	10.8	16.6	*	16.2	22.7	*	21.6	27.6	*
Chronic Obstructive Pulmonary Disease	23	0.0	11.2	*	13.0	19.4	*	17.4	25.7	*
Transient Cerebral Ischemia	23	0.0	2.1	*	4.3	4.6	*	8.7	7.2	*
Stroke	28	21.4	32.1	*	46.4	39.7	*	53.6	44.7	*
Hip Fracture	23	8.7	6.4	*	13.0	11.5	*	17.4	14.7	*
Sepsis	14	28.6	27.2	*	28.6	36.2	*	28.6	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.7	*	20.0	7.6	*	40.0	11.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	7.0	*	14.3	12.6	*	14.3	15.9	*
Open Reduction of Hip Fracture	16	6.3	5.2	*	12.5	9.8	*	18.8	13.0	*
Prostatectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	18	5.6	2.6	*	11.1	4.7	*	11.1	6.1	*
Hysterectomy	3	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CLEARFIELD HOSPITAL

809 Turnpike Ave
Clearfield, PA 16830

Medicare Provider Number: 390052

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,283	7.6	8.8	1.0	11.1	13.3	1.4	15.0	16.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	58	32.8	25.1	10.4	36.2	29.3	10.4	39.7	33.3	10.5
Congestive Heart Failure	72	12.5	15.1	5.9	18.1	23.4	9.2	25.0	30.2	9.5
Pneumonia/Influenza	62	16.1	17.6	4.9	22.6	23.9	5.7	27.4	28.7	5.9
Chronic Obstructive Pulmonary Disease	18	11.1	5.7	*	11.1	11.0	*	16.7	15.7	*
Transient Cerebral Ischemia	28	0.0	2.0	*	3.6	4.5	*	3.6	7.2	*
Stroke	44	13.6	16.2	*	18.2	22.9	*	22.7	27.2	*
Hip Fracture	27	3.7	5.5	*	7.4	9.7	*	11.1	12.6	*
Sepsis	10	50.0	26.6	*	60.0	32.8	*	60.0	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.9	*	0.0	3.9	*	16.7	5.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	3.1	*	11.1	5.8	*	16.7	7.8	*
Open Reduction of Hip Fracture	15	0.0	5.2	*	0.0	9.2	*	0.0	12.0	*
Prostatectomy	72	0.0	1.1	1.7	1.4	2.7	2.3	2.8	4.6	3.1
Cholecystectomy	40	2.5	3.4	*	2.5	5.9	*	2.5	7.6	*
Hysterectomy	9	0.0	1.4	*	0.0	2.9	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 113
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 40
Percent of Physicians Board Certified Specialists 68
Medical Residents/Interns 0
Registered Nurses 135
Licensed Practical Nurses 34

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CLEARFIELD HOSPITAL

Medicare Provider Number: 390052

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,301	8.8	7.9	1.5	13.7	12.3	1.9	16.6	15.9	2.1
CONDITIONS:										
Acute Myocardial Infarction	40	45.0	27.2	*	52.5	30.3	*	55.0	33.8	*
Congestive Heart Failure	85	17.6	15.0	5.9	29.4	23.3	7.1	36.5	30.1	9.8
Pneumonia/Influenza	66	22.7	17.5	6.9	36.4	22.9	8.8	40.9	27.3	8.9
Chronic Obstructive Pulmonary Disease	16	0.0	8.0	*	6.3	14.7	*	12.5	19.9	*
Transient Cerebral Ischemia	31	6.5	2.1	*	6.5	4.5	*	6.5	7.1	*
Stroke	32	9.4	20.2	*	18.8	26.1	*	25.0	30.6	*
Hip Fracture	26	7.7	6.4	*	15.4	11.6	*	23.1	14.8	*
Sepsis	7	28.6	26.1	*	28.6	32.9	*	28.6	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	7.3	*	16.7	12.1	*	16.7	16.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	3.7	*	5.9	7.4	*	11.8	10.1	*
Open Reduction of Hip Fracture	14	7.1	6.3	*	14.3	12.1	*	21.4	15.9	*
Prostatectomy	50	0.0	0.9	*	0.0	2.2	*	2.0	3.6	*
Cholecystectomy	28	3.6	3.1	*	3.6	5.8	*	3.6	7.6	*
Hysterectomy	15	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,219	10.2	8.4	1.3	14.0	12.9	1.2	17.2	16.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	32.4	24.4	*	32.4	28.1	*	32.4	31.8	*
Congestive Heart Failure	74	25.7	16.8	7.3	33.8	25.5	7.1	39.2	32.8	7.2
Pneumonia/Influenza	54	18.5	19.2	6.1	29.6	25.7	7.0	37.0	30.8	10.4
Chronic Obstructive Pulmonary Disease	31	12.9	9.3	*	16.1	16.3	*	19.4	21.9	*
Transient Cerebral Ischemia	43	4.7	2.2	*	4.7	4.9	*	9.3	7.9	*
Stroke	27	11.1	19.0	*	14.8	25.7	*	22.2	30.5	*
Hip Fracture	32	3.1	5.3	*	9.4	9.9	*	21.9	13.2	*
Sepsis	12	41.7	34.7	*	41.7	41.6	*	50.0	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.9	*	0.0	6.7	*	0.0	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	5.0	3.7	*	15.0	7.1	*	20.0	9.6	*
Open Reduction of Hip Fracture	13	0.0	5.0	*	0.0	9.7	*	15.4	13.1	*
Prostatectomy	4	0.0	1.7	*	0.0	4.4	*	0.0	8.0	*
Cholecystectomy	22	0.0	3.2	*	4.5	5.9	*	4.5	7.7	*
Hysterectomy	16	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

COALDALE STATE GENERAL HOSPITAL

7th Street
Coaldale, PA 18218

Medicare Provider Number: 390183

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	864	8.2	8.9	1.7	12.2	13.2	1.9	15.4	16.7	2.2
CONDITIONS:										
Acute Myocardial Infarction	41	22.0	34.4	*	34.1	38.2	*	34.1	42.3	*
Congestive Heart Failure	51	17.6	15.0	5.6	21.6	23.5	6.2	31.4	30.6	6.6
Pneumonia/Influenza	40	15.0	17.4	*	22.5	23.9	*	27.5	28.9	*
Chronic Obstructive Pulmonary Disease	25	8.0	7.3	*	8.0	12.6	*	8.0	17.4	*
Transient Cerebral Ischemia	36	5.6	2.1	*	5.6	4.6	*	11.1	7.2	*
Stroke	28	17.9	21.7	*	35.7	27.7	*	39.3	32.3	*
Hip Fracture	15	0.0	6.0	*	6.7	10.2	*	6.7	13.0	*
Sepsis	4	25.0	35.4	*	25.0	42.7	*	25.0	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.0	*	0.0	7.5	*	20.0	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.8	*	33.3	9.9	*	33.3	12.4	*
Open Reduction of Hip Fracture	9	0.0	5.6	*	0.0	10.0	*	0.0	12.8	*
Prostatectomy	13	0.0	0.9	*	15.4	2.0	*	15.4	3.4	*
Cholecystectomy	28	0.0	2.0	*	3.6	3.1	*	3.6	3.9	*
Hysterectomy	10	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 136
Occupancy Rate 66
Ownership/Control ..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 51
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 87
Licensed Practical Nurses 21

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COALDALE STATE GENERAL HOSPITAL

Medicare Provider Number: 390183

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	897	7.9	9.1	1.6	12.8	13.7	1.6	16.9	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	18.9	28.5	*	21.6	31.6	*	29.7	34.8	*
Congestive Heart Failure	66	18.2	15.8	6.9	21.2	24.1	5.8	33.3	30.8	6.4
Pneumonia/Influenza	49	10.2	14.6	*	16.3	19.9	*	16.3	24.3	*
Chronic Obstructive Pulmonary Disease	27	11.1	8.7	*	18.5	14.6	*	22.2	19.7	*
Transient Cerebral Ischemia	34	2.9	2.0	*	2.9	4.4	*	8.8	6.9	*
Stroke	46	19.6	19.7	*	26.1	25.4	*	32.6	29.8	*
Hip Fracture	15	0.0	6.8	*	26.7	12.3	*	26.7	16.1	*
Sepsis	5	40.0	30.6	*	60.0	39.9	*	80.0	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	5.2	*	9.1	9.0	*	9.1	12.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	8.0	*	33.3	13.7	*	33.3	17.1	*
Open Reduction of Hip Fracture	7	0.0	5.7	*	14.3	10.5	*	14.3	13.6	*
Prostatectomy	21	4.8	1.5	*	4.8	3.5	*	4.8	5.7	*
Cholecystectomy	13	7.7	3.9	*	7.7	7.7	*	15.4	10.6	*
Hysterectomy	12	0.0	0.9	*	0.0	1.9	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	866	10.5	8.8	1.3	14.2	13.0	1.3	17.2	16.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	52	26.9	32.0	8.3	32.7	35.1	7.3	40.4	38.4	6.9
Congestive Heart Failure	40	32.5	15.7	*	37.5	24.0	*	40.0	31.0	*
Pneumonia/Influenza	41	24.4	14.4	*	29.3	19.5	*	36.6	23.9	*
Chronic Obstructive Pulmonary Disease	20	10.0	10.5	*	10.0	16.6	*	15.0	21.2	*
Transient Cerebral Ischemia	23	0.0	2.0	*	8.7	4.5	*	13.0	7.2	*
Stroke	45	22.2	18.5	*	26.7	24.3	*	31.1	28.9	*
Hip Fracture	16	6.3	7.0	*	12.5	12.0	*	12.5	15.4	*
Sepsis	7	28.6	24.4	*	28.6	30.9	*	28.6	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.4	*	0.0	8.5	*	0.0	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	6.5	*	16.7	11.3	*	16.7	14.3	*
Open Reduction of Hip Fracture	9	11.1	5.9	*	11.1	10.5	*	11.1	13.4	*
Prostatectomy	17	0.0	1.5	*	0.0	3.6	*	5.9	6.1	*
Cholecystectomy	14	0.0	2.2	*	0.0	3.4	*	7.1	4.3	*
Hysterectomy	9	0.0	1.7	*	0.0	3.4	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COLUMBIA HOSPITAL

7th & Poplar Sts
Columbia, PA 17512

Medicare Provider Number: 390200

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	352	8.8	6.9	1.8	13.1	10.9	2.1	17.6	14.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	23.7	*	14.3	25.8	*	14.3	28.4	*
Congestive Heart Failure	25	16.0	12.9	*	20.0	20.1	*	24.0	25.9	*
Pneumonia/Influenza	13	0.0	13.1	*	0.0	18.3	*	7.7	22.4	*
Chronic Obstructive Pulmonary Disease	13	7.7	8.1	*	7.7	14.7	*	30.8	20.1	*
Transient Cerebral Ischemia	10	0.0	1.2	*	0.0	2.7	*	0.0	4.2	*
Stroke	13	46.2	19.3	*	53.8	26.3	*	53.8	30.8	*
Hip Fracture	11	0.0	5.9	*	0.0	10.9	*	0.0	14.5	*
Sepsis	2	0.0	23.3	*	0.0	30.2	*	50.0	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	66.7	16.0	*	66.7	21.2	*	66.7	24.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	5.1	*	0.0	10.1	*	0.0	14.4	*
Open Reduction of Hip Fracture	5	0.0	4.8	*	0.0	9.6	*	0.0	13.3	*
Prostatectomy	8	0.0	0.5	*	0.0	1.1	*	0.0	2.0	*
Cholecystectomy	7	0.0	1.9	*	14.3	4.2	*	14.3	6.6	*
Hysterectomy	3	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 76
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 22
Percent of Physicians Board Certified Specialists 55
Medical Residents/Interns 0
Registered Nurses 35
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COLUMBIA HOSPITAL

Medicare Provider Number: 390200

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	414	8.9	7.5	1.6	12.6	11.4	1.7	15.5	14.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	14	21.4	27.5	*	21.4	32.2	*	21.4	36.2	*
Congestive Heart Failure	27	18.5	16.0	*	25.9	24.8	*	25.9	32.0	*
Pneumonia/Influenza	20	15.0	12.7	*	20.0	17.6	*	25.0	21.7	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.8	*	10.0	11.4	*	10.0	16.2	*
Transient Cerebral Ischemia	14	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	7	14.3	16.5	*	14.3	21.9	*	14.3	25.8	*
Hip Fracture	6	0.0	3.3	*	0.0	6.3	*	0.0	8.3	*
Sepsis	1	0.0	61.4	*	100.0	78.6	*	100.0	87.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.0	*	0.0	6.0	*	0.0	8.1	*
Open Reduction of Hip Fracture	2	0.0	2.9	*	0.0	5.9	*	0.0	7.9	*
Prostatectomy	11	0.0	0.5	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	8	0.0	3.2	*	0.0	6.0	*	12.5	8.3	*
Hysterectomy	4	0.0	0.8	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	432	9.3	7.1	2.0	16.2	11.0	2.3	19.9	14.3	2.5
CONDITIONS:										
Acute Myocardial Infarction	17	17.6	25.1	*	17.6	27.4	*	29.4	30.1	*
Congestive Heart Failure	28	17.9	16.4	*	32.1	25.5	*	35.7	32.7	*
Pneumonia/Influenza	7	0.0	9.3	*	0.0	12.5	*	0.0	15.6	*
Chronic Obstructive Pulmonary Disease	14	21.4	7.0	*	28.6	12.0	*	28.6	16.0	*
Transient Cerebral Ischemia	12	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke	5	60.0	16.5	*	60.0	23.1	*	60.0	27.2	*
Hip Fracture	15	6.7	4.6	*	26.7	8.5	*	26.7	11.3	*
Sepsis	5	20.0	27.1	*	20.0	32.8	*	40.0	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	4.7	*	16.7	9.0	*	16.7	12.1	*
Open Reduction of Hip Fracture	7	0.0	3.6	*	28.6	6.8	*	28.6	9.1	*
Prostatectomy	10	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	11	0.0	3.0	*	9.1	5.9	*	18.2	7.9	*
Hysterectomy	2	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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COLUMBIA HOSPITAL

Founded 1895

January 15, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Columbia Hospital (Provider 390200) wishes to make the following comments to be included with the mortality data to be published in the Spring of 1991.

1) Standard Deviation 3% - 11%, not unusual for this community of 10,000 population with 5 long term retirement facilities.

2) Average age of retirement population exceeds 70 years. Consequently, when hospitalized, averages would exceed a standard mortality rate.

3) A small size institution with small volumes takes very little adverse results to produce distorted percentages compared to larger facilities as evidenced by results in Acute MI, Congestive Heart Failure, Stroke and Pacemaker Insertion conditions and procedures.

Sincerely,

Robert F Katana

R. F. Katana
President/CEO

631 POPLAR STREET P.O. BOX 926 COLUMBIA, PA 17512 (717) 684-2841 • FAX: (717) 684-3786

COMMUNITY GENERAL HOSPITAL

145 N 6th St
Reading, PA 19601

Medicare Provider Number: 390096

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,287	11.3	9.6	1.2	16.0	14.2	1.3	20.5	18.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	51	37.3	31.7	9.2	41.2	35.6	8.5	41.2	39.4	7.4
Congestive Heart Failure	90	20.0	16.3	4.9	25.6	25.0	5.7	40.0	32.2	7.7
Pneumonia/Influenza	45	15.6	15.5	*	15.6	21.5	*	20.0	26.3	*
Chronic Obstructive Pulmonary Disease	14	0.0	7.5	*	14.3	12.3	*	14.3	16.9	*
Transient Cerebral Ischemia	27	3.7	1.9	*	11.1	4.5	*	11.1	7.4	*
Stroke	46	13.0	18.6	*	21.7	24.9	*	23.9	29.2	*
Hip Fracture	30	10.0	6.4	*	23.3	11.7	*	33.3	15.4	*
Sepsis	22	40.9	30.0	*	50.0	36.8	*	63.6	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	6.5	*	10.0	10.4	*	10.0	13.1	*
Carotid Endarterectomy	3	33.3	2.9	*	33.3	7.0	*	33.3	11.5	*
Hip Replacement/Reconstruction	14	7.1	3.3	*	21.4	7.0	*	28.6	10.2	*
Open Reduction of Hip Fracture	20	5.0	5.8	*	15.0	11.3	*	25.0	15.1	*
Prostatectomy	56	5.4	1.0	2.6	7.1	2.5	3.5	8.9	4.3	4.1
Cholecystectomy	25	8.0	2.2	*	8.0	3.9	*	8.0	5.1	*
Hysterectomy	9	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 164
Occupancy Rate 65
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY GENERAL HOSPITAL

Medicare Provider Number: 390096

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,493	8.5	9.1	0.9	13.6	13.6	0.9	17.8	17.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	34	17.6	29.2	*	23.5	32.4	*	32.4	36.2	*
Congestive Heart Failure	94	9.6	15.9	5.8	19.1	23.7	5.4	29.8	30.3	4.8
Pneumonia/Influenza	49	6.1	19.0	*	14.3	25.5	*	22.4	30.6	*
Chronic Obstructive Pulmonary Disease	20	10.0	9.9	*	20.0	15.6	*	20.0	21.0	*
Transient Cerebral Ischemia	24	0.0	1.8	*	0.0	4.0	*	16.7	6.4	*
Stroke	60	16.7	22.9	7.0	25.0	28.9	6.3	30.0	33.6	6.6
Hip Fracture	37	8.1	6.9	*	10.8	12.4	*	16.2	16.0	*
Sepsis	13	46.2	35.4	*	53.8	41.8	*	61.5	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	2.5	*	10.0	4.9	*	10.0	7.4	*
Carotid Endarterectomy	1	0.0	2.0	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	17	11.8	5.0	*	11.8	9.2	*	17.6	11.9	*
Open Reduction of Hip Fracture	20	5.0	6.4	*	10.0	12.1	*	15.0	15.9	*
Prostatectomy	63	0.0	1.1	*	0.0	2.8	*	0.0	4.7	*
Cholecystectomy	28	7.1	2.8	*	14.3	4.7	*	14.3	5.7	*
Hysterectomy	10	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,444	11.0	9.9	1.3	15.9	14.6	1.5	18.9	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	34.6	*	24.1	39.3	*	24.1	43.5	*
Congestive Heart Failure	81	14.8	17.1	4.8	24.7	25.6	6.9	32.1	32.6	6.0
Pneumonia/Influenza	44	13.6	15.9	*	25.0	21.3	*	31.8	25.8	*
Chronic Obstructive Pulmonary Disease	16	37.5	14.0	*	43.8	21.3	*	43.8	27.1	*
Transient Cerebral Ischemia	37	5.4	1.8	*	8.1	4.0	*	8.1	6.4	*
Stroke	72	25.0	20.8	7.2	29.2	26.7	6.6	31.9	31.1	5.5
Hip Fracture	37	8.1	6.7	*	21.6	11.8	*	21.6	15.2	*
Sepsis	14	42.9	34.3	*	42.9	42.9	*	42.9	49.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.1	*	0.0	6.3	*	10.0	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	3.8	*	7.1	7.1	*	7.1	9.3	*
Open Reduction of Hip Fracture	23	4.3	6.5	*	26.1	12.0	*	26.1	15.6	*
Prostatectomy	66	1.5	1.1	1.4	4.5	2.7	2.6	6.1	4.5	3.2
Cholecystectomy	22	4.5	1.7	*	4.5	2.8	*	4.5	3.6	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	14.3	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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COMMUNITY GENERAL HOSPITAL

145 N. Sixth St., P.O. Box 1728, Reading, PA 19603-1728 • (215) 376-4881

**STATEMENT FROM COMMUNITY GENERAL HOSPITAL
CONCERNING MEDICARE HOSPITAL MORTALITY
JANUARY 11, 1991**

Community General Hospital's medical staff and management has reviewed the fiscal year 1989 Medicare hospital mortality rates with great care. These data, along with those of 1988 and 1987, have given us the opportunity to review the care of patients with those common and serious conditions that occur in all hospitals. In addition, we have also reviewed procedures that are common and have the potential for serious outcome.

We studied the charts of all of the patients who fell into the category of a death rate that exceeded the predicted level even though their rate did not represent a statistically significant difference. This process of review of the care of these patients was very instructive in terms of pointing to ways in which we might improve patient care.

The overall mortality for Community General Hospital was statistically equivalent to that predicted for our patient population. There were only three of the seventeen categories of patient situations in which there were enough patients for meaningful analysis.

Categories of special importance that resulted in careful review of every single patient chart are as follows:

A. Sepsis (22 patients - with 14 deaths):
- ♦ One-third of these patients had metastatic cancer.
- ♦ Two-thirds were elderly, that is over the age of seventy-five years, with multiple chronic medical problems which predisposed these patients to infection.

B. Carotid Endarterectomy (3 patients - with 1 death):
- ♦ One of these patients died following an attempt to relieve severe atherosclerosis of the carotid arteries and had long-standing diabetes mellitus.

C. Patient Prostatectomy (56 patients - with 6 deaths):
- ♦ There were six deaths, five of which were not related to the procedure in any conceivable way. One patient died of thrombophlebitis and pulmonary embolism which could have been related to the procedure.

D. Cholecystectomy (25 patients - with 2 deaths):
- ♦ Two patients died, both of whom had advanced carcinomatosis. Neither death was related to the cholecystectomy.

Our review of these data raised several questions. Is there a baseline deathrate for a hospital similar to ours? Is predictable the same as optimal? Would the data be more useful if the categories included only those patients whose primary cause of death was in the category and particularly in the procedure group? Would it not be more useful to identify chronic diseases which significantly increase the likelihood of complications? Should data be published in categories where the numbers of patients are too low for meaningful statistical analysis?

/rmg

COMMUNITY GENERAL OSTEOPATHIC HOSPITAL

4300 Londonderry Rd
Harrisburg, PA 17109

Medicare Provider Number: 390206

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,433	9.9	8.9	1.0	16.1	13.2	1.6	19.3	16.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	32	40.6	32.1	*	43.8	35.3	*	50.0	38.9	*
Congestive Heart Failure	91	15.4	15.4	4.6	26.4	23.8	5.4	34.1	30.7	6.4
Pneumonia/Influenza	53	18.9	19.9	5.7	28.3	26.4	7.0	34.0	31.4	8.1
Chronic Obstructive Pulmonary Disease	17	0.0	5.4	*	5.9	9.6	*	5.9	13.7	*
Transient Cerebral Ischemia	26	3.8	1.5	*	11.5	3.2	*	11.5	5.1	*
Stroke	56	12.5	21.1	9.3	23.2	27.1	9.9	28.6	31.7	7.2
Hip Fracture	62	6.5	6.2	6.3	19.4	11.2	7.7	24.2	14.6	9.3
Sepsis	26	46.2	33.3	*	65.4	40.1	*	65.4	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	1.9	*	0.0	4.1	*	6.7	6.4	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	2.8	*	9.1	4.0	*
Hip Replacement/Reconstruction	26	7.7	2.3	*	15.4	4.5	*	19.2	6.1	*
Open Reduction of Hip Fracture	29	6.9	6.5	*	10.3	12.1	*	13.8	15.8	*
Prostatectomy	46	2.2	1.1	*	8.7	2.5	*	10.9	4.1	*
Cholecystectomy	13	0.0	2.5	*	0.0	4.5	*	0.0	6.1	*
Hysterectomy	13	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 157
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 137
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 26
Registered Nurses 113
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY GENERAL OSTEOPATHIC HOSPITAL

Medicare Provider Number: 390206

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,489	9.5	8.6	1.0	14.0	13.0	1.2	16.8	16.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	24	33.3	34.4	*	41.7	38.8	*	45.8	43.0	*
Congestive Heart Failure	85	14.1	15.5	4.1	24.7	23.5	5.8	29.4	30.1	5.1
Pneumonia/Influenza	42	33.3	16.5	*	38.1	22.5	*	40.5	27.3	*
Chronic Obstructive Pulmonary Disease	17	0.0	5.2	*	5.9	9.4	*	5.9	13.3	*
Transient Cerebral Ischemia	23	4.3	1.8	*	13.0	4.0	*	13.0	6.3	*
Stroke	65	21.5	21.3	5.6	26.2	27.6	7.0	29.2	32.3	8.7
Hip Fracture	52	9.6	6.6	4.2	11.5	11.9	4.5	15.4	15.2	5.0
Sepsis	11	45.5	34.4	*	54.5	42.2	*	54.5	47.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.8	*	0.0	4.4	*	0.0	7.2	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.0	*	0.0	4.6	*
Hip Replacement/Reconstruction	32	6.3	2.9	*	9.4	5.6	*	12.5	7.6	*
Open Reduction of Hip Fracture	34	8.8	5.6	*	11.8	10.7	*	17.6	14.1	*
Prostatectomy	58	3.4	0.7	1.8	3.4	1.8	2.1	3.4	3.2	2.7
Cholecystectomy	31	3.2	3.8	*	9.7	6.3	*	9.7	8.0	*
Hysterectomy	10	0.0	2.3	*	0.0	4.6	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,351	8.7	8.9	0.8	12.5	13.2	1.1	15.7	16.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	28	21.4	31.0	*	25.0	34.1	*	25.0	37.7	*
Congestive Heart Failure	68	13.2	17.3	5.7	27.9	25.6	5.8	35.3	32.5	7.9
Pneumonia/Influenza	48	20.8	16.7	*	29.2	22.7	*	33.3	27.6	*
Chronic Obstructive Pulmonary Disease	19	0.0	13.5	*	21.1	21.5	*	26.3	27.4	*
Transient Cerebral Ischemia	21	0.0	1.8	*	0.0	3.9	*	4.8	6.2	*
Stroke	49	24.5	19.7	*	26.5	26.0	*	28.6	30.6	*
Hip Fracture	58	5.2	7.5	4.3	10.3	12.8	6.2	12.1	16.1	6.8
Sepsis	21	42.9	37.9	*	42.9	44.6	*	42.9	51.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	6.3	*	25.0	9.7	*	25.0	13.0	*
Carotid Endarterectomy	11	9.1	1.4	*	9.1	2.8	*	9.1	4.2	*
Hip Replacement/Reconstruction	35	0.0	3.0	*	0.0	5.9	*	0.0	8.0	*
Open Reduction of Hip Fracture	35	8.6	7.9	*	11.4	13.7	*	14.3	17.2	*
Prostatectomy	34	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	19	10.5	6.4	*	10.5	11.6	*	10.5	15.2	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COMMUNITY HOSPITAL

North Fraley Street
Kane, PA 16735

Medicare Provider Number: 390104

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	409	11.7	10.3	2.0	17.6	14.9	3.1	21.0	18.6	3.5
CONDITIONS:										
Acute Myocardial Infarction	19	42.1	26.1	*	52.6	30.0	*	52.6	33.7	*
Congestive Heart Failure	17	29.4	15.7	*	41.2	24.6	*	47.1	31.8	*
Pneumonia/Influenza	36	11.1	17.3	*	22.2	23.4	*	25.0	28.0	*
Chronic Obstructive Pulmonary Disease	4	0.0	11.2	*	25.0	22.1	*	25.0	32.7	*
Transient Cerebral Ischemia	6	0.0	1.7	*	0.0	3.7	*	16.7	5.8	*
Stroke	12	25.0	24.3	*	25.0	30.7	*	25.0	35.4	*
Hip Fracture	8	0.0	5.8	*	0.0	10.0	*	0.0	12.9	*
Sepsis	6	16.7	24.8	*	50.0	32.4	*	50.0	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.8	*	0.0	8.7	*	0.0	11.3	*
Open Reduction of Hip Fracture	3	0.0	3.3	*	0.0	6.6	*	0.0	9.1	*
Prostatectomy	9	0.0	0.4	*	11.1	1.0	*	11.1	1.6	*
Cholecystectomy	7	0.0	2.2	*	0.0	3.7	*	0.0	4.7	*
Hysterectomy	2	0.0	0.6	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	53
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	10
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	37
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COMMUNITY HOSPITAL

Medicare Provider Number: 390104

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	428	11.2	10.6	2.6	16.1	15.5	2.4	20.8	19.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	32.1	*	30.0	35.4	*	30.0	39.1	*
Congestive Heart Failure	28	17.9	17.3	*	28.6	26.3	*	35.7	33.6	*
Pneumonia/Influenza	29	10.3	14.4	*	17.2	19.2	*	24.1	23.1	*
Chronic Obstructive Pulmonary Disease	8	12.5	7.0	*	25.0	13.1	*	25.0	18.2	*
Transient Cerebral Ischemia	8	0.0	1.6	*	0.0	3.3	*	12.5	5.2	*
Stroke	15	13.3	24.1	*	20.0	31.0	*	20.0	35.9	*
Hip Fracture	8	0.0	7.9	*	0.0	14.2	*	12.5	17.9	*
Sepsis	3	100.0	37.3	*	100.0	45.5	*	100.0	51.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	7.8	*	0.0	14.6	*	0.0	18.5	*
Open Reduction of Hip Fracture	2	0.0	4.6	*	0.0	9.1	*	50.0	12.3	*
Prostatectomy	15	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*
Cholecystectomy	12	8.3	2.4	*	8.3	3.8	*	8.3	4.6	*
Hysterectomy	1	0.0	0.7	*	0.0	1.2	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	423	10.6	9.4	2.0	15.6	14.3	2.5	20.3	18.2	2.8
CONDITIONS:										
Acute Myocardial Infarction	22	31.8	33.5	*	40.9	37.7	*	40.9	41.7	*
Congestive Heart Failure	27	18.5	17.0	*	25.9	25.8	*	29.6	33.0	*
Pneumonia/Influenza	14	21.4	18.0	*	21.4	24.5	*	42.9	29.8	*
Chronic Obstructive Pulmonary Disease	6	0.0	14.7	*	16.7	25.6	*	16.7	34.2	*
Transient Cerebral Ischemia	9	0.0	2.4	*	11.1	5.1	*	11.1	8.1	*
Stroke	13	38.5	24.5	*	46.2	31.2	*	53.8	36.1	*
Hip Fracture	13	0.0	5.7	*	0.0	10.4	*	0.0	13.6	*
Sepsis	4	0.0	24.0	*	0.0	31.4	*	0.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.8	*	0.0	11.7	*	25.0	16.7	*
Open Reduction of Hip Fracture	9	0.0	5.2	*	0.0	10.1	*	0.0	13.6	*
Prostatectomy	15	6.7	1.1	*	6.7	2.7	*	6.7	4.5	*
Cholecystectomy	15	0.0	2.5	*	6.7	4.5	*	6.7	6.2	*
Hysterectomy	1	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider Number 390104

The Community Hospital

Kane, Pennsylvania 16735 814/837-8585

January 11, 1991

Ms. Sandra Kappert
2 D 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Ms. Kappert:

After reviewing the Medicare Hospital Mortality Information for the Fiscal Year 1989, we have prepared the enclosed report which contains our comments.

Sincerely,

Corinne Johnson

Corinne Johnson
Executive Assistant

Enclosure

MORBIDITY AND MORTALITY REPORT
FOR 1989

The Community Hospital
Kane, PA

Although the difference between the observed and predicted mortality rates for 1989 at the 30, 90, and 180 day intervals were not statistically significant based on the data presented in Enclosure C for FY 1989, all deaths were reviewed. The findings are as follows:

1. Utilizing the Medisgroup Severity Scale all cases were scored based on admission data.

   5% or 5 cases were severity level 4 with organ failure present.

   91% or 89 cases were severity level 3 with high potential of organ failure.

   4% or 4 cases were severity level 2 with moderate potential for organ failure.

2. 10 cases or 10% were transferred from our acute care hospital to another acute care facility and did not return to our facility prior to their deaths; therefore, should not have been included in our data.

3. 5 cases or 5% were discharged from our hospital more than 182 days prior to their death and therefore, should not have been included in our data.

COMMUNITY HOSPITAL OF LANCASTER

1175 Clark St
Lancaster, PA 17604

Medicare Provider Number: 390068

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,039	8.1	7.7	1.6	13.7	12.1	1.7	17.1	15.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	30	16.7	21.6	*	20.0	24.5	*	20.0	27.4	*
Congestive Heart Failure	47	8.5	13.7	*	17.0	21.2	*	23.4	27.6	*
Pneumonia/Influenza	25	28.0	15.3	*	32.0	20.6	*	40.0	24.9	*
Chronic Obstructive Pulmonary Disease	12	25.0	7.8	*	33.3	14.3	*	41.7	19.8	*
Transient Cerebral Ischemia	24	4.2	2.1	*	4.2	4.5	*	8.3	6.8	*
Stroke	41	14.6	18.6	*	22.0	24.8	*	22.0	29.0	*
Hip Fracture	20	0.0	7.5	*	5.0	13.3	*	5.0	17.1	*
Sepsis	4	25.0	21.9	*	50.0	31.1	*	75.0	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	3.5	*	9.1	5.8	*	18.2	7.9	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	15	0.0	3.5	*	0.0	6.3	*	0.0	8.2	*
Open Reduction of Hip Fracture	10	0.0	8.0	*	10.0	14.8	*	10.0	19.2	*
Prostatectomy	75	1.3	0.7	1.2	2.7	1.6	1.9	2.7	2.7	2.5
Cholecystectomy	17	5.9	7.1	*	17.6	13.6	*	23.5	18.2	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	206
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	79
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	20
Registered Nurses	171
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COMMUNITY HOSPITAL OF LANCASTER

Medicare Provider Number: 390068

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,031	7.6	8.9	1.3	11.9	13.6	1.6	16.3	17.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	13	30.8	28.5	*	38.5	30.9	*	38.5	33.8	*
Congestive Heart Failure	41	7.3	15.7	*	14.6	24.0	*	19.5	30.8	*
Pneumonia/Influenza	43	16.3	17.6	*	18.6	23.8	*	27.9	28.6	*
Chronic Obstructive Pulmonary Disease	12	0.0	11.0	*	8.3	19.2	*	16.7	25.7	*
Transient Cerebral Ischemia	23	0.0	2.4	*	4.3	5.1	*	17.4	7.9	*
Stroke	36	33.3	21.6	*	41.7	29.0	*	41.7	33.7	*
Hip Fracture	23	8.7	8.6	*	8.7	15.7	*	17.4	20.2	*
Sepsis	13	30.8	36.4	*	46.2	44.7	*	53.8	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	6.1	*	7.1	12.3	*	21.4	17.8	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	10	0.0	2.4	*	0.0	4.3	*	0.0	5.4	*
Open Reduction of Hip Fracture	19	10.5	8.1	*	10.5	15.6	*	21.1	20.5	*
Prostatectomy	62	0.0	1.1	1.8	3.2	2.7	3.7	3.2	4.4	4.2
Cholecystectomy	24	4.2	4.6	*	8.3	7.8	*	12.5	9.5	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

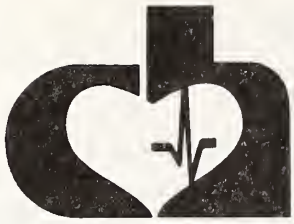
*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,029	8.4	8.3	0.9	12.2	13.1	1.4	15.6	16.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	26	42.3	29.4	*	46.2	32.4	*	50.0	35.7	*
Congestive Heart Failure	52	5.8	15.4	8.9	19.2	23.4	8.9	26.9	30.2	6.8
Pneumonia/Influenza	37	13.5	16.8	*	18.9	22.4	*	21.6	27.1	*
Chronic Obstructive Pulmonary Disease	26	11.5	11.1	*	15.4	18.4	*	19.2	24.0	*
Transient Cerebral Ischemia	20	0.0	2.3	*	0.0	4.5	*	0.0	6.8	*
Stroke	26	19.2	19.6	*	23.1	27.2	*	23.1	32.0	*
Hip Fracture	21	14.3	7.3	*	14.3	13.2	*	14.3	16.9	*
Sepsis	9	22.2	25.4	*	33.3	35.8	*	33.3	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	2.7	*	11.1	5.9	*	11.1	8.9	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	17	11.8	4.3	*	17.6	8.4	*	17.6	11.0	*
Open Reduction of Hip Fracture	13	7.7	6.7	*	7.7	12.9	*	7.7	16.8	*
Prostatectomy	48	2.1	1.3	*	2.1	3.2	*	6.3	5.4	*
Cholecystectomy	16	6.3	2.4	*	6.3	4.3	*	6.3	5.5	*
Hysterectomy	5	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

85.1



Community Hospital
of Lancaster
Comprehensive Osteopathic Healthcare

MEDICARE PROVIDER NUMBER 39-0068

January 15, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have carefully reviewed the data received from Gail R. Wilensky, Ph.D., Administrator, concerning the annual release of Medicare hospital mortality information for patients who were discharged between October 1, 1988 and September 30, 1989. We appreciate the efforts which have gone into refinement of the data. We would like to comment, as follows, with regard to our data in 1989:

1. We recognize that for each beneficiary in each year, one hospitalization was selected at random. This, however, has the effect of reducing actual Medicare discharges of 1,770 to the reported volume of 1,039.

2. Fifty and one-half percent (50.5%) of all Medicare deaths fell within a 2 or 3 admission severity group which indicates a medium to high potential for organ failure and a moderate to low favorable response to treatment. The average age of patient in these two groups was 73.5 years.

3. The Medicare deaths in the Hospital had a history of 2.3 additional system disorders.

4. Seventy-three percent (73%) of all Medicare deaths were patients who had elected Not to be Resuscitated. This means that the Hospital and physician had agreed to comply with the patient's request to initiate no resuscitation in the event of cardio-pulmonary arrest. This certainly would have the effect of changing the expected mortality rate.

MEDICARE PROVIDER NUMBER 39-0068

5. The observed mortality rate at Community Hospital of Lancaster within 30, 90 and 180 days of discharge falls within the range of predicted mortality rates in all cases where a sufficient number of cases are present to calculate a standard deviation. It is reasonable to conclude that there is no significant difference between the actual and observed mortality rates.

6. Fourteen of the reported Conditions and Procedures contained fewer than 50 cases, and, therefore, were too small to permit satisfactory estimation of the standard deviation.

We would request that HCFA continue to look at refinement of the data, particularly for severity. The prediction of deaths 90 and 180 days post discharge does not necessarily account for the previous patient history that may have contributed to or caused the death, rather than the principal diagnosis that was the reason for admission. As an example, a patient who was admitted for a hip fracture may subsequently die as a result of the cancer which caused the pathological fracture. However, this death is reported as a hip fracture patient.

We appreciate this opportunity to comment, and will continue to utilize this and other data in our quality assurance activities.

Sincerely,

Joanne M. Judge
President

JMJ:pp

COMMUNITY MEDICAL CENTER

1822 Mulberry St
Scranton, PA 18510

Medicare Provider Number: 390001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,075	8.3	9.6	0.8	14.2	14.1	0.8	17.6	17.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	48	37.5	30.7	*	41.7	34.0	*	43.8	37.6	*
Congestive Heart Failure	130	15.4	15.1	4.6	26.9	23.1	4.7	30.0	29.9	4.1
Pneumonia/Influenza	85	10.6	17.1	6.8	21.2	23.2	4.9	25.9	27.9	5.4
Chronic Obstructive Pulmonary Disease	39	0.0	7.1	*	5.1	12.7	*	10.3	17.7	*
Transient Cerebral Ischemia	54	0.0	1.7	2.2	1.9	3.8	3.4	3.7	6.1	4.5
Stroke	91	20.9	21.0	4.3	29.7	27.0	5.4	34.1	31.3	5.8
Hip Fracture	56	3.6	6.1	4.2	8.9	10.8	4.4	14.3	14.1	4.8
Sepsis	24	37.5	30.1	*	37.5	39.5	*	37.5	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	2.8	*	8.3	6.5	*	8.3	10.1	*
Carotid Endarterectomy	10	0.0	1.3	*	0.0	2.6	*	0.0	4.0	*
Hip Replacement/Reconstruction	46	2.2	3.0	*	6.5	5.4	*	8.7	7.1	*
Open Reduction of Hip Fracture	30	3.3	5.5	*	6.7	10.4	*	13.3	13.9	*
Prostatectomy	45	0.0	1.5	*	6.7	3.2	*	6.7	5.0	*
Cholecystectomy	52	0.0	3.1	*	0.0	4.9	*	0.0	6.0	*
Hysterectomy	30	3.3	0.6	*	3.3	1.2	*	3.3	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 337
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 87
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 7
Registered Nurses 355
Licensed Practical Nurses 144

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

COMMUNITY MEDICAL CENTER

Medicare Provider Number: 390001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,136	8.6	9.1	0.8	13.0	13.6	0.8	16.7	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	22.2	27.5	6.4	25.0	30.7	6.0	27.8	34.2	6.2
Congestive Heart Failure	103	16.5	16.2	3.6	26.2	24.8	5.0	35.0	31.7	7.8
Pneumonia/Influenza	80	7.5	17.4	7.3	15.0	23.5	7.5	20.0	28.2	7.5
Chronic Obstructive Pulmonary Disease	33	6.1	8.4	*	9.1	13.9	*	18.2	18.6	*
Transient Cerebral Ischemia	80	0.0	1.8	2.1	2.5	4.0	3.1	3.8	6.3	4.7
Stroke	73	16.4	20.2	5.0	28.8	25.7	5.5	31.5	30.0	5.6
Hip Fracture	56	5.4	6.6	3.5	8.9	11.8	5.2	12.5	15.1	6.0
Sepsis	30	16.7	20.4	*	23.3	26.8	*	23.3	32.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	7.5	*	10.0	11.5	*	30.0	15.1	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	31	0.0	3.0	*	0.0	5.7	*	3.2	7.6	*
Open Reduction of Hip Fracture	39	7.7	5.8	*	12.8	10.9	*	15.4	14.2	*
Prostatectomy	40	0.0	1.0	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy	40	2.5	3.7	*	7.5	6.4	*	7.5	8.0	*
Hysterectomy	30	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,957	8.6	9.0	0.8	12.6	13.4	1.2	15.5	16.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	64	35.9	29.2	10.2	40.6	32.6	9.1	40.6	36.2	7.6
Congestive Heart Failure	104	14.4	15.2	3.9	22.1	22.7	4.4	27.9	29.1	4.8
Pneumonia/Influenza	61	16.4	17.4	4.9	24.6	23.5	6.3	29.5	28.4	6.1
Chronic Obstructive Pulmonary Disease	38	7.9	10.8	*	10.5	18.0	*	21.1	23.5	*
Transient Cerebral Ischemia	71	1.4	1.7	2.3	1.4	3.7	3.4	1.4	5.9	4.7
Stroke	62	24.2	22.3	6.6	27.4	28.0	5.9	30.6	32.4	6.1
Hip Fracture	37	10.8	6.2	*	16.2	11.2	*	16.2	14.6	*
Sepsis	30	20.0	24.8	*	30.0	32.1	*	33.3	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	5.4	*	6.3	9.7	*	6.3	13.2	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	41	2.4	2.8	*	4.9	5.0	*	4.9	6.6	*
Open Reduction of Hip Fracture	12	8.3	5.4	*	8.3	10.8	*	8.3	14.7	*
Prostatectomy	41	0.0	1.5	*	0.0	3.6	*	0.0	5.8	*
Cholecystectomy	47	2.1	2.8	*	2.1	4.8	*	2.1	6.1	*
Hysterectomy	34	0.0	0.7	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CONEMAUGH VALLEY MEMORIAL HOSPITAL

1086 Franklin St
Johnstown, PA 15905

Medicare Provider Number: 390110

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,945	7.5	8.7	0.5	11.7	13.4	0.6	14.3	17.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	99	30.3	26.4	5.7	34.3	29.9	6.0	36.4	33.2	5.4
Congestive Heart Failure	180	12.8	16.3	4.3	23.3	25.3	4.8	28.9	32.5	4.8
Pneumonia/Influenza	74	21.6	17.8	6.6	27.0	24.0	9.5	32.4	28.6	8.9
Chronic Obstructive Pulmonary Disease	31	0.0	8.7	*	6.5	14.9	*	9.7	19.8	*
Transient Cerebral Ischemia	82	2.4	2.0	1.6	2.4	4.3	2.7	6.1	6.8	2.9
Stroke	97	26.8	22.2	5.9	34.0	29.0	7.5	37.1	33.4	8.0
Hip Fracture	44	2.3	9.4	*	6.8	16.2	*	6.8	20.5	*
Sepsis	39	23.1	24.7	*	35.9	32.2	*	38.5	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	8.3	*	4.3	14.2	*	4.3	18.4	*
Carotid Endarterectomy	17	0.0	1.8	*	0.0	3.4	*	0.0	5.0	*
Hip Replacement/Reconstruction	42	0.0	2.6	*	2.4	4.7	*	2.4	6.4	*
Open Reduction of Hip Fracture	17	0.0	10.9	*	11.8	19.4	*	11.8	24.4	*
Prostatectomy	95	1.1	1.4	1.3	1.1	2.7	2.2	3.2	4.3	3.1
Cholecystectomy	63	1.6	3.8	4.0	9.5	6.7	4.2	9.5	8.6	4.7
Hysterectomy	13	0.0	1.4	*	0.0	3.2	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 352
Occupancy Rate 73
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 183
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 59
Registered Nurses 406
Licensed Practical Nurses 77

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

CONEMAUGH VALLEY MEMORIAL HOSPITAL

Medicare Provider Number: 390110

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,061	7.6	7.9	0.5	11.3	12.1	0.7	14.0	15.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	94	29.8	31.4	5.3	34.0	35.0	5.1	37.2	38.8	5.2
Congestive Heart Failure	174	12.6	16.8	4.4	19.5	25.7	4.7	29.3	32.9	4.1
Pneumonia/Influenza	80	25.0	21.9	5.5	31.3	29.1	5.4	37.5	34.4	5.9
Chronic Obstructive Pulmonary Disease	34	5.9	10.8	*	23.5	17.9	*	23.5	23.7	*
Transient Cerebral Ischemia	64	3.1	2.2	2.0	4.7	4.7	2.8	6.3	7.3	3.4
Stroke	72	25.0	20.3	5.6	26.4	26.9	6.0	34.7	31.5	5.8
Hip Fracture	41	4.9	7.3	*	14.6	13.2	*	17.1	17.1	*
Sepsis	37	13.5	25.4	*	21.6	34.8	*	24.3	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	3.1	6.7	*	6.3	10.5	*	6.3	13.8	*
Carotid Endarterectomy	19	5.3	1.5	*	5.3	3.0	*	5.3	4.7	*
Hip Replacement/Reconstruction	35	0.0	2.2	*	2.9	4.4	*	2.9	6.0	*
Open Reduction of Hip Fracture	8	12.5	9.5	*	12.5	17.4	*	12.5	22.5	*
Prostatectomy	108	1.9	1.4	1.3	3.7	3.3	1.8	6.5	5.5	2.4
Cholecystectomy	70	2.9	2.8	2.5	5.7	5.0	3.2	8.6	6.4	4.5
Hysterectomy	24	4.2	1.6	*	4.2	3.3	*	4.2	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,063	8.6	9.1	0.8	12.7	13.8	1.1	16.3	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	132	28.0	30.0	4.4	33.3	33.3	4.1	36.4	36.7	4.2
Congestive Heart Failure	212	16.0	17.3	3.2	24.5	26.0	4.4	28.8	33.0	6.8
Pneumonia/Influenza	80	12.5	18.5	8.8	18.8	25.0	9.6	26.2	30.0	8.1
Chronic Obstructive Pulmonary Disease	54	11.1	16.8	6.0	18.5	25.7	8.0	20.4	31.4	9.2
Transient Cerebral Ischemia	70	0.0	2.5	2.8	2.9	5.4	3.5	8.6	8.2	3.3
Stroke	108	25.0	19.3	5.1	28.7	26.2	4.6	35.2	30.5	5.3
Hip Fracture	43	0.0	7.0	*	0.0	12.3	*	9.3	15.8	*
Sepsis	30	40.0	28.0	*	40.0	37.2	*	43.3	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	42	4.8	4.6	*	14.3	8.7	*	19.0	12.2	*
Carotid Endarterectomy	23	0.0	1.7	*	0.0	3.0	*	4.3	4.3	*
Hip Replacement/Reconstruction	33	3.0	2.3	*	3.0	4.6	*	12.1	6.4	*
Open Reduction of Hip Fracture	13	0.0	7.9	*	0.0	14.5	*	7.7	18.6	*
Prostatectomy	110	1.8	1.1	1.2	1.8	2.6	1.7	3.6	4.5	2.4
Cholecystectomy	41	0.0	2.6	*	9.8	4.4	*	9.8	5.5	*
Hysterectomy	15	0.0	0.9	*	6.7	1.8	*	6.7	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Medicare Provider Number: 390110
89.2

Conemaugh Valley Memorial Hospital

1086 Franklin Street Johnstown, PA 15905-4398 (814) 533-9000

RESPONSE TO MEDICARE MORTALITY DATA RELEASED BY HCFA

The patient data used in HCFA's analysis were reviewed and found to be accurate. However, it should be pointed out that mortality rates do not measure quality. Rather, HCFA's data identifies differences in mortality among hospital patient populations, but does not explain why they are different. Only physician peer review of patient care can reveal whether quality care was provided.

Mortality data must always be adjusted to reflect measures of severity (i.e., how ill the patient was at the time of admission) and should only be used to guide and direct physician peer review activities.

Memorial's Board of Trustees, Medical Staff and Hospital Staff are committed to the delivery of quality patient care as the primary mission of our institution. A comprehensive, ongoing program to monitor and evaluate the quality of patient care provided is operational. Mortality review is a key component of our overall quality assurance program.

1/9/91

CORRY MEMORIAL HOSPITAL

612 W Smith St
Corry, PA 16407

Medicare Provider Number: 390005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	495	9.1	9.9	1.6	12.7	14.6	2.0	16.2	18.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	29	27.6	28.5	*	27.6	32.6	*	37.9	36.4	*
Congestive Heart Failure	33	9.1	13.5	*	18.2	20.9	*	21.2	27.3	*
Pneumonia/Influenza	40	17.5	17.0	*	32.5	23.4	*	40.0	28.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	5.5	*	0.0	9.3	*	0.0	12.8	*
Transient Cerebral Ischemia	15	0.0	2.2	*	0.0	4.8	*	0.0	7.8	*
Stroke	26	26.9	19.3	*	26.9	26.6	*	30.8	31.2	*
Hip Fracture	3	0.0	3.6	*	0.0	7.0	*	33.3	9.9	*
Sepsis	2	0.0	11.5	*	0.0	15.1	*	0.0	18.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.0	*	0.0	6.3	*	50.0	9.4	*
Open Reduction of Hip Fracture	1	0.0	3.8	*	0.0	7.3	*	0.0	9.7	*
Prostatectomy	0									
Cholecystectomy	19	0.0	3.8	*	5.3	7.2	*	10.5	9.6	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 86
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 52
Licensed Practical Nurses 9

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

CORRY MEMORIAL HOSPITAL

Medicare Provider Number: 390005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	484	8.1	9.6	1.9	11.0	14.2	2.4	14.3	17.9	2.7
CONDITIONS:										
Acute Myocardial Infarction	27	44.4	32.5	*	44.4	36.5	*	44.4	40.4	*
Congestive Heart Failure	30	10.0	17.3	*	20.0	26.2	*	23.3	33.4	*
Pneumonia/Influenza	27	18.5	16.6	*	18.5	22.9	*	25.9	27.0	*
Chronic Obstructive Pulmonary Disease	10	0.0	4.7	*	10.0	9.2	*	10.0	13.3	*
Transient Cerebral Ischemia	24	4.2	3.6	*	4.2	8.1	*	8.3	12.4	*
Stroke	30	10.0	18.8	*	20.0	26.1	*	30.0	30.8	*
Hip Fracture	8	0.0	8.5	*	0.0	14.5	*	0.0	18.0	*
Sepsis	1	0.0	10.0	*	0.0	12.6	*	100.0	15.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	15.5	*	20.0	22.4	*	20.0	27.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	2.5	*	0.0	4.9	*	0.0	6.6	*
Open Reduction of Hip Fracture	5	0.0	5.2	*	0.0	9.4	*	0.0	12.1	*
Prostatectomy	0									
Cholecystectomy	8	0.0	4.5	*	0.0	9.0	*	0.0	12.1	*
Hysterectomy	5	0.0	7.7	*	0.0	13.7	*	0.0	18.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	501	13.2	10.4	1.9	17.0	15.4	1.8	19.6	19.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	19	36.8	32.4	*	36.8	35.8	*	47.4	39.4	*
Congestive Heart Failure	38	23.7	16.3	*	36.8	24.9	*	39.5	31.9	*
Pneumonia/Influenza	37	18.9	18.6	*	29.7	25.6	*	29.7	30.5	*
Chronic Obstructive Pulmonary Disease	20	0.0	4.2	*	0.0	8.0	*	0.0	11.5	*
Transient Cerebral Ischemia	24	8.3	3.3	*	16.7	7.3	*	20.8	11.2	*
Stroke	23	47.8	19.1	*	52.2	26.4	*	52.2	31.1	*
Hip Fracture	4	0.0	9.3	*	25.0	16.5	*	25.0	21.3	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	8.9	*	100.0	17.9	*	100.0	25.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.4	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy	3	33.3	6.7	*	33.3	14.4	*	33.3	20.4	*
Hysterectomy	3	33.3	6.5	*	33.3	11.7	*	33.3	16.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CORRY MEMORIAL HOSPITAL
612 WEST SMITH STREET, CORRY, PENNSYLVANIA 16407
814-664-4641

January 14, 1990

Ms. Sandra Capper
Health Standards and Quality Bureau
Healthcare Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: HCFA Medicare Mortality Analysis

Dear Ms. Capper:

Attached you will find a copy of fiscal year 1989 Medicare Mortality Rate for Corry Memorial Hospital, provider #390005. There are three categories in which we exceeded the predicted rate, they include the following:

C3, pneumonia/influenza, C5, hip replacement/reconstruction and C7, hip fracture. The total number of cases for these categories was 40. For hip replacement and reconstruction, 2 and/or hip fracture, 3. Please note however that there are some patients who had both a hip fracture and a hip replacement and reconstruction and therefore they crossed categories.

Comments on categories C3 pneumonia/influenza

The observed mortality rate at 180 days was 40%. The age range of these individuals was 71 through 95 with one individual being 65. The average age was 82. Of the total 16 patients that died only five died in the hospital. Four died post-30 days, an additional 4 died 90 days, and an additional 3 died 180 days post-discharge. Three patients had DNR orders and three patients had terminal CA of the lung. One patient, in addition to pneumonia, had COPD and diabetes mellitus. Another patient had bronchial pneumonia, intestinal obstructions, and five patients had several other multiple morbidities which included CHF, pulmonary edema, heart failure and CVA. The single category pneumonia/influenza therefore, does not truly represent the co-morbidities or the reason of death of these individuals. The health status of these individuals is such that there were no questionable outcomes.

For the categories of C7 - hip fracture and hip replacement and C5 hip replacement/reconstruction, there were 3 patients with hip fractures and 2 with hip replacements. There was one patient that fell in both categories that died, and therefore showed a 33.3% of their death rate after 180 days for hip fractures and 50% mortality rate for hip replacement/reconstruction. This patient was discharged from the hospital with satisfactory results from surgery. This patient did not die from the trauma of surgery or hip replacement, but in fact died as a result of cancer of the prostrate.

Again, death totally unrelated to the category in which this patient was placed. The deaths of these individuals might be stated as not unexpected. There were multiple morbidities involved in these cases. In the category of the patient certainly does not reflect, an many cases the cause of death. Neither the categories nor the predicted death rates are truly accurate given the individual's their co-morbidities and what their death was attributed to.

Furthermore, since the volume of patients seen at Corry Memorial Hospital is so low, one or two patients can greatly affect the percentages of death rates. In fact, the standard deviation is not statistically significant as per HCFA. However, when one shows a 50% or 33% mortality rate, as does this report, to the unknowing it may give a completely different sense of the quality of care that is given by Corry Memorial Hospital.

We at Corry Memorial Hospital have an excellent Medical Staff and excellent hospital personnel that provide very high quality care. Our Quality Assurance Program is very active and because of our size, we are able to review virtually every case and every patient that is admitted to the hospital for appropriateness of care.

In summary, therefore, I find the report misleading and in fact inaccurate for the following reasons:

1. The deaths of many of the patients is not directly related to the diagnostic category of the patients, but may be attributed to co-morbidities or some other reasons.

2. The small number of cases in some categories lends to great distortion in the death rate, therefore the predicted death rate has an uncertainty which is very high and because the smaller number of cases in this category, a satisfactory estimate of the standard deviation is impossible.

3. There is no indication to whether these outcomes would be expected or unexpected given the combination of co-morbidities, the length of time from discharge from the hospital and age of the individuals themselves.

CROZER CHESTER MEDICAL CENTER

15th St Upland Ave
Upland, PA 19013

Medicare Provider Number: 390180

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,532	9.5	9.6	0.6	14.3	14.5	0.7	18.2	18.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	117	12.0	26.6	5.7	14.5	30.1	6.0	15.4	33.5	6.2
Congestive Heart Failure	134	11.9	14.9	4.9	22.4	23.3	4.6	29.9	30.2	4.0
Pneumonia/Influenza	77	19.5	17.8	4.5	23.4	23.9	4.9	29.9	28.7	5.3
Chronic Obstructive Pulmonary Disease	53	18.9	10.0	9.1	24.5	17.1	11.4	28.3	22.8	9.2
Transient Cerebral Ischemia	37	0.0	1.7	*	2.7	3.7	*	2.7	5.9	*
Stroke	112	23.2	20.7	4.5	27.7	27.1	4.5	29.5	31.3	4.8
Hip Fracture	46	4.3	6.8	*	6.5	11.9	*	8.7	15.4	*
Sepsis	54	25.9	26.5	7.3	35.2	33.1	8.2	38.9	38.6	7.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.2	*	0.0	6.1	*	11.1	8.9	*
Carotid Endarterectomy	10	0.0	1.9	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	18	0.0	5.4	*	0.0	9.8	*	0.0	13.0	*
Open Reduction of Hip Fracture	18	0.0	5.3	*	0.0	9.8	*	5.6	12.8	*
Prostatectomy	86	0.0	1.2	3.0	3.5	2.5	3.0	5.8	4.2	3.8
Cholecystectomy	37	2.7	3.6	*	2.7	6.6	*	5.4	8.7	*
Hysterectomy	11	0.0	0.5	*	9.1	1.1	*	9.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	450
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	353
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	14
Registered Nurses	509
Licensed Practical Nurses	74

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

CROZER CHESTER MEDICAL CENTER

Medicare Provider Number: 390180

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,603	8.3	9.3	0.7	14.2	14.2	0.8	17.7	18.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	105	23.8	33.2	5.8	27.6	36.5	5.6	29.5	40.2	6.0
Congestive Heart Failure	170	8.8	16.0	4.3	20.0	24.5	4.3	24.7	31.5	4.7
Pneumonia/Influenza	84	15.5	16.5	4.4	23.8	22.3	4.7	27.4	27.0	5.5
Chronic Obstructive Pulmonary Disease	51	15.7	12.1	6.1	21.6	19.7	5.8	23.5	25.8	7.1
Transient Cerebral Ischemia	58	0.0	2.4	*	0.0	5.4	*	6.9	8.5	*
Stroke	79	21.5	18.5	6.9	26.6	24.9	7.0	32.9	29.3	8.1
Hip Fracture	28	0.0	6.2	*	0.0	11.4	*	3.6	14.9	*
Sepsis	19	21.1	25.5	*	47.4	33.5	*	52.6	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	4.1	*	0.0	7.3	*	7.1	10.2	*
Carotid Endarterectomy	14	7.1	1.4	*	7.1	2.6	*	7.1	3.7	*
Hip Replacement/Reconstruction	16	0.0	3.8	*	0.0	8.3	*	12.5	12.1	*
Open Reduction of Hip Fracture	8	0.0	5.1	*	0.0	9.2	*	0.0	11.9	*
Prostatectomy	88	2.3	1.2	1.4	2.3	2.9	1.8	3.4	4.8	2.4
Cholecystectomy	41	2.4	1.9	*	7.3	3.2	*	9.8	4.2	*
Hysterectomy	17	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,489	8.8	10.1	1.0	14.5	15.2	1.2	17.9	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	107	17.8	34.7	6.6	23.4	38.3	6.9	26.2	41.9	6.5
Congestive Heart Failure	138	6.5	17.8	4.8	18.1	26.9	5.0	21.7	34.0	5.4
Pneumonia/Influenza	67	19.4	15.7	7.4	25.4	21.1	7.7	29.9	25.6	8.0
Chronic Obstructive Pulmonary Disease	52	3.8	12.3	6.2	13.5	20.1	7.1	19.2	25.8	7.0
Transient Cerebral Ischemia	36	0.0	1.7	*	0.0	3.7	*	2.8	5.9	*
Stroke	97	15.5	24.5	6.1	21.6	31.2	7.0	25.8	35.7	6.8
Hip Fracture	39	2.6	7.4	*	12.8	13.3	*	17.9	17.2	*
Sepsis	29	20.7	29.6	*	51.7	39.7	*	51.7	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.0	*	5.6	7.2	*	5.6	9.8	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	15	0.0	6.0	*	20.0	11.1	*	20.0	14.4	*
Open Reduction of Hip Fracture	12	0.0	5.7	*	0.0	10.7	*	8.3	14.1	*
Prostatectomy	93	2.2	1.5	1.8	4.3	3.8	3.1	4.3	6.2	3.9
Cholecystectomy	35	0.0	4.1	*	0.0	6.3	*	2.9	7.8	*
Hysterectomy	19	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DELAWARE COUNTY MEMORIAL HOSPITAL

Lansdowne Keystone Aves
Drexel Hill, PA 19026

Medicare Provider Number: 390081

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,961	8.8	9.3	0.7	15.0	14.5	0.8	18.8	18.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	94	22.3	24.0	4.7	24.5	27.4	5.8	25.5	30.8	7.2
Congestive Heart Failure	184	15.8	16.2	3.0	26.1	25.2	4.8	34.2	32.4	4.3
Pneumonia/Influenza	99	16.2	16.9	4.1	20.2	22.8	4.9	28.3	27.5	5.0
Chronic Obstructive Pulmonary Disease	84	13.1	10.0	5.0	22.6	17.3	5.5	26.2	23.4	5.0
Transient Cerebral Ischemia	71	2.8	1.8	2.5	5.6	3.9	3.2	5.6	6.2	4.1
Stroke	142	16.2	18.8	4.2	24.6	25.2	4.0	31.0	29.6	4.2
Hip Fracture	98	3.1	7.1	3.8	10.2	12.9	4.0	15.3	16.7	3.9
Sepsis	25	8.0	30.2	*	24.0	39.6	*	24.0	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.0	*	0.0	5.5	*	9.1	7.9	*
Carotid Endarterectomy	13	0.0	1.3	*	7.7	2.4	*	7.7	3.6	*
Hip Replacement/Reconstruction	43	4.7	4.4	*	11.6	8.8	*	14.0	12.1	*
Open Reduction of Hip Fracture	61	3.3	6.7	5.0	9.8	12.4	5.2	14.8	16.2	5.1
Prostatectomy	115	0.0	0.8	2.1	2.6	1.8	2.8	7.8	3.1	2.6
Cholecystectomy	58	3.4	2.7	2.5	3.4	4.5	3.0	3.4	5.6	3.5
Hysterectomy	17	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 303
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 293
Percent of Physicians Board Certified Specialists 83
Medical Residents/Interns 10
Registered Nurses 327
Licensed Practical Nurses 51

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DELAWARE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 390081

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,051	8.6	9.2	0.6	13.5	14.2	0.8	16.8	18.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	116	20.7	22.0	4.2	28.4	26.0	4.9	31.0	29.8	4.5
Congestive Heart Failure	181	19.3	16.1	3.7	27.1	24.8	3.7	30.9	31.7	3.5
Pneumonia/Influenza	94	11.7	18.8	6.8	17.0	25.3	7.9	21.3	30.4	8.2
Chronic Obstructive Pulmonary Disease	71	5.6	10.2	4.4	11.3	17.4	6.4	14.1	23.3	8.1
Transient Cerebral Ischemia	81	1.2	2.0	1.7	2.5	4.6	2.9	4.9	7.3	3.5
Stroke	133	19.5	19.8	3.8	24.1	25.8	5.2	26.3	30.2	7.3
Hip Fracture	86	5.8	6.4	3.2	10.5	11.7	3.8	11.6	15.0	5.9
Sepsis	36	2.8	24.4	*	11.1	33.1	*	19.4	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.6	*	0.0	4.6	*	0.0	6.7	*
Carotid Endarterectomy	14	0.0	1.6	*	7.1	3.3	*	14.3	4.8	*
Hip Replacement/Reconstruction	44	0.0	2.9	*	4.5	5.6	*	4.5	7.4	*
Open Reduction of Hip Fracture	49	8.2	6.4	*	10.2	12.0	*	12.2	15.7	*
Prostatectomy	101	0.0	1.4	1.7	3.0	2.9	1.8	4.0	4.6	2.2
Cholecystectomy	61	3.3	2.2	2.2	4.9	3.7	2.6	8.2	4.7	4.2
Hysterectomy	12	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,880	9.0	9.4	0.7	14.3	14.6	0.7	18.3	18.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	86	29.1	23.1	6.5	34.9	26.9	8.0	39.5	30.4	9.7
Congestive Heart Failure	153	13.7	18.1	4.5	25.5	27.5	3.8	36.6	35.0	4.0
Pneumonia/Influenza	83	13.3	18.3	5.4	18.1	24.6	6.6	21.7	29.6	7.8
Chronic Obstructive Pulmonary Disease	55	7.3	9.9	6.9	7.3	16.3	8.7	12.7	21.3	9.9
Transient Cerebral Ischemia	80	2.5	2.2	1.8	3.8	4.9	2.9	5.0	7.8	3.9
Stroke	116	23.3	21.9	4.0	27.6	28.0	5.1	28.4	32.2	6.4
Hip Fracture	78	2.6	6.7	4.0	6.4	12.3	5.8	10.3	15.9	5.6
Sepsis	34	32.4	32.7	*	44.1	41.8	*	47.1	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	4.6	*	9.1	8.9	*	9.1	12.5	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	2.9	*	9.1	4.1	*
Hip Replacement/Reconstruction	27	0.0	3.6	*	3.7	6.9	*	3.7	9.1	*
Open Reduction of Hip Fracture	58	3.4	6.1	4.4	6.9	11.8	6.5	12.1	15.7	6.0
Prostatectomy	120	0.8	1.2	1.5	3.3	2.8	1.7	5.0	4.6	2.0
Cholecystectomy	64	3.1	3.0	2.3	4.7	5.1	3.4	4.7	6.6	4.4
Hysterectomy	19	0.0	1.0	*	5.3	2.1	*	5.3	3.1	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

95.1



Delaware County Memorial Hospital 501 N. Lansdowne Ave. Drexel Hill Pa. 19026-1186 (215) 284-8100

January 15, 1991

Health Care Financing Administration
Health Standard and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

RE: Delaware County Memorial Hospital - Comments on HCFA Release of Hospital-Specific Mortality Rates

Delaware County Memorial Hospital (DCMH) fully supports the provision of useful information to consumers, the media, and other audiences. We share, however, the overwhelmingly held position that crude mortality rates are not valid indications of quality of care, or hospital performance. While we support the full disclosure of valuable information to the public, we do not support the release of statistical information which fails to properly represent the total picture on a very complex subject.

We believe that the federal government - charged by Congress with stewardship of the Medicare program - has once again commissioned a disservice to the public by orchestrating the publication of highly sensitive and emotionally charged information in a fashion determined by most to be flawed. Accordingly, the Health Care Financing Administration (HCFA) is responsible for any public misconceptions or loss of confidence in the nation's 6,000 acute care hospitals.

Since valid conclusions about the quality of care at individual hospitals cannot be made from raw mortality rates, the public should be aware of the following in interpreting these data:

1. The entire study is based upon an untested statistical model, and did not involve the review of a single patient's medical record.

2. The government's study is completely limited to Medicare patients who are typically older and sicker than other groups.

3. The government's study attributes to individual hospitals any death which occurs within 30, 60 and 90 days of a random admission during 1989. In other words, patients who died outside the hospital, potentially weeks after their discharge, and of causes totally unrelated to their hospitalization, are counted as a hospital mortality.

4. This analysis is still unable to account for a large portion of the variation in patient mortality. DCMH eagerly awaits the results of HCFA's validation studies, noting however, that these studies will not be able to explain **why** a hospital's data is different. Because the data only show whether a hospital is different from average, not its quality of care, consumers should not use the statistics to decide **where** to receive medical treatment, but rather discuss this need with their physicians.

DCMH

Delaware County Memorial Hospital (DCMH) supports (and is actively involved in) the growing movement to develop additional measures of quality in health care which can be understood and relied upon by business, labor, and consumers. Hospitals can and do monitor quality, and very aggressively, but not quality expressed as a statistic or a public relations campaign, but as a systematic and rigorous function within every hospital department.

DCMH's Quality Assurance program is a top-ranking management function reporting to the highest organizational level. The department monitors quality of care for every patient, seven days a week, twenty-four hours a day. We work closely with the Department of Health, Keystone Peer Review Organization, Health Care Financing Administration, and the Joint Commission on the Accreditation of Healthcare Organizations. Every medical and professional department in the hospital has a formal quality assurance plan. And, our standards as a hospital go well beyond what is required by JCAHO.

We began review this past year of the Pennsylvania Health Care Cost Containment Council's mandated Medisgroups System and preliminary reports, hoping to improve the quality and appropriateness of patient care while also providing more sophisticated measurements of length of stay, resource consumption, and severity of illness. Full utilization of Medisgroups Severity of Illness information and integration into the DCMH Quality Assurance program will further enhance our ability to monitor Quality of Care from all perspectives. We have responded to questions regarding our mortality rates from the Pennsylvania Health Care Cost Containment Council.

The range of mortality rates at DCMH as reported by HCFA were all within acceptable limits according to HCFA's statistical model. Overall, the DCMH specific mortality rate for all causes for the last 3 years has remained within HCFA's range.

DCMH is committed to a diligent and comprehensive monitoring of patient care throughout the institution. We will continue to engage in aggressive peer review, data collection and analysis, and internal monitoring in an effort to sustain the highest level of quality for our patients.

Sincerely,

RD Thomas

Richard D. Thomas
President

RDT/GDW:lp

DELAWARE VALLEY MEDICAL CENTER

200 Oxford Valley Road
Langhorne, PA 19047

Medicare Provider Number: 390069

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	985	8.9	9.1	0.9	13.9	13.8	1.2	18.0	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	30	6.7	25.2	*	10.0	28.9	*	13.3	32.3	*
Congestive Heart Failure	89	11.2	13.2	3.9	21.3	20.3	5.1	29.2	26.4	5.0
Pneumonia/Influenza	42	11.9	13.6	*	21.4	18.9	*	26.2	23.0	*
Chronic Obstructive Pulmonary Disease	20	5.0	7.6	*	10.0	12.6	*	10.0	16.8	*
Transient Cerebral Ischemia	21	0.0	1.8	*	9.5	4.3	*	9.5	6.8	*
Stroke	36	16.7	16.4	*	16.7	22.0	*	16.7	25.9	*
Hip Fracture	16	12.5	5.7	*	18.8	10.5	*	18.8	13.9	*
Sepsis	12	25.0	28.0	*	41.7	35.4	*	41.7	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.2	*	7.1	4.6	*	14.3	7.1	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	9	0.0	2.4	*	11.1	4.7	*	11.1	6.5	*
Open Reduction of Hip Fracture	7	28.6	6.7	*	28.6	12.7	*	28.6	16.8	*
Prostatectomy	22	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	15	6.7	2.9	*	6.7	5.1	*	13.3	6.7	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 167
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 284
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 44
Registered Nurses 121
Licensed Practical Nurses 31

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DELAWARE VALLEY MEDICAL CENTER

Medicare Provider Number: 390069

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,128	9.3	9.3	1.1	13.7	14.1	1.2	17.4	17.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	28.3	*	25.0	31.1	*	25.0	34.2	*
Congestive Heart Failure	95	15.8	16.2	3.8	23.2	24.3	4.6	27.4	30.9	5.9
Pneumonia/Influenza	48	16.7	13.2	*	16.7	18.3	*	25.0	22.6	*
Chronic Obstructive Pulmonary Disease	26	3.8	9.1	*	7.7	15.5	*	23.1	21.0	*
Transient Cerebral Ischemia	30	0.0	2.3	*	3.3	5.0	*	3.3	7.9	*
Stroke	38	18.4	20.4	*	23.7	27.3	*	23.7	31.8	*
Hip Fracture	15	0.0	6.3	*	20.0	11.6	*	26.7	15.0	*
Sepsis	5	0.0	27.1	*	0.0	33.7	*	20.0	40.3	*
PROCEDURES:										
Angioplasty	1	0.0	1.9	*	0.0	2.8	*	0.0	3.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.5	*	14.3	8.1	*	14.3	11.5	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	13	0.0	4.3	*	23.1	8.2	*	30.8	10.7	*
Open Reduction of Hip Fracture	5	0.0	4.4	*	0.0	8.0	*	0.0	10.5	*
Prostatectomy	37	2.7	0.7	*	2.7	1.5	*	2.7	2.4	*
Cholecystectomy	25	0.0	2.6	*	0.0	4.8	*	0.0	6.5	*
Hysterectomy	2	0.0	1.9	*	0.0	3.8	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,019	8.7	8.9	0.9	13.9	13.7	1.2	18.4	17.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	25.2	*	28.0	27.8	*	36.0	30.7	*
Congestive Heart Failure	66	19.7	18.0	4.8	33.3	26.5	6.8	37.9	33.6	6.6
Pneumonia/Influenza	49	16.3	13.0	*	24.5	18.1	*	24.5	22.4	*
Chronic Obstructive Pulmonary Disease	30	6.7	8.4	*	13.3	14.3	*	20.0	19.2	*
Transient Cerebral Ischemia	29	0.0	1.7	*	3.4	3.6	*	6.9	5.6	*
Stroke	37	21.6	16.8	*	21.6	22.9	*	29.7	26.8	*
Hip Fracture	13	7.7	6.7	*	7.7	12.1	*	23.1	15.7	*
Sepsis	5	20.0	28.1	*	20.0	36.7	*	60.0	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.6	*	0.0	7.4	*	0.0	10.4	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	7	0.0	2.7	*	0.0	5.4	*	14.3	7.5	*
Open Reduction of Hip Fracture	9	0.0	4.4	*	0.0	8.3	*	11.1	11.0	*
Prostatectomy	22	9.1	1.3	*	9.1	3.1	*	13.6	5.2	*
Cholecystectomy	10	20.0	5.9	*	20.0	10.7	*	20.0	13.4	*
Hysterectomy	3	0.0	4.3	*	0.0	8.5	*	0.0	11.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

97.1

DELAWARE VALLEY MEDICAL CENTER
...we take good care of you

200 Oxford Valley Road
Langhorne, Pa. 19047
(215) 949-5000

Medicare Provider #: 390069

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: MEDICARE HOSPITAL MORTALITY INFORMATION

Dear Mrs. Kappert:

Attached please find Delaware Valley Medical Center's comments regarding the Medicare Mortality Rate Tables.

The comments were also faxed to you last evening at 8:03 P.M. and should be included in your publication.

Sincerely,

Bernice M. Bauman

Bernice M. Bauman
Administrative Director,
Medical Quality Services

BMB:bs

DELAWARE
VALLEY
MEDICAL
CENTER
...we take good care of you

200 Oxford Valley Road
Langhorne, Pa. 19047
(215) 949-5000

Medicare Provider #: 390069

Review of the Medicare Mortality Rate Tables lists seven (7) patients as subjected to the open reduction of hip fracture procedure.

The observed mortality figure represents two patients who expired. One patient was a ninety year old patient with multiple medical conditions including cancer. The other patient was a ninety-five year old patient with cardiopulmonary comorbid conditions.

The Medical Center also reviewed the one mortality in the Cholecystectomy category. This patient was an eighty-six year old with multiple medical problems resulting from a long history of renal disease.

It must be noted that the source documents for the Mortality Reports are the Medicare billing forms commonly known as the U.B.-82, and the Medicare files, which identify the date of the patient's death.

It is not appropriate, therefore, to draw quality of care conclusions based on the Mortality Tables because the report does not permit access to data that identifies the actual casue of death. This lack of differentiation between existing medical conditions such as cancer and kidney disease, and the condition that HCFA selected to focus upon can contribute to an inaccurate public perception of cause of death, as demonstrated in the three cases cited.

1/15/91

DIVINE PROVIDENCE HOSPITAL

1100 Grampian Blvd
Williamsport, PA 17701

Medicare Provider Number: 390075

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,614	8.5	8.3	1.0	12.6	12.9	1.2	15.8	16.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	52	17.3	23.5	7.7	23.1	26.8	6.9	23.1	30.2	8.1
Congestive Heart Failure	56	16.1	14.5	4.9	21.4	22.3	5.9	26.8	29.1	6.7
Pneumonia/Influenza	64	17.2	15.8	4.8	20.3	21.5	5.3	23.4	25.9	5.8
Chronic Obstructive Pulmonary Disease	29	6.9	8.1	*	10.3	13.8	*	31.0	18.8	*
Transient Cerebral Ischemia	25	4.0	1.5	*	4.0	3.3	*	4.0	5.0	*
Stroke	41	17.1	18.1	*	19.5	23.5	*	19.5	27.7	*
Hip Fracture	51	3.9	7.6	4.4	9.8	13.7	5.2	11.8	18.0	6.7
Sepsis	11	0.0	26.1	*	9.1	37.1	*	9.1	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.6	*	0.0	6.1	*	0.0	8.7	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	47	2.1	2.8	*	4.3	5.7	*	4.3	8.1	*
Open Reduction of Hip Fracture	28	0.0	6.8	*	7.1	12.9	*	10.7	17.2	*
Prostatectomy	53	3.8	1.3	2.5	5.7	3.4	3.0	7.5	5.9	4.8
Cholecystectomy	22	4.5	2.5	*	4.5	3.7	*	4.5	4.5	*
Hysterectomy	11	9.1	2.1	*	9.1	4.2	*	9.1	6.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	212
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	133
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	153
Licensed Practical Nurses	77

SPECIALTY SERVICES:

Burn Unit	**No**
Cardiac Intensive Care	**No**
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DIVINE PROVIDENCE HOSPITAL

Medicare Provider Number: 390075

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,585	6.1	7.6	0.9	10.9	12.5	1.0	14.2	16.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	24.6	*	27.6	28.1	*	31.0	31.8	*
Congestive Heart Failure	56	8.9	15.4	8.4	12.5	23.4	9.8	19.6	30.1	10.2
Pneumonia/Influenza	38	13.2	15.5	*	23.7	21.3	*	23.7	25.7	*
Chronic Obstructive Pulmonary Disease	19	0.0	6.9	*	0.0	13.0	*	5.3	18.6	*
Transient Cerebral Ischemia	31	3.2	2.8	*	6.5	6.1	*	9.7	9.6	*
Stroke	41	7.3	23.0	*	17.1	28.9	*	22.0	33.6	*
Hip Fracture	29	6.9	6.9	*	10.3	12.6	*	13.8	16.5	*
Sepsis	10	10.0	25.8	*	20.0	33.6	*	20.0	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.6	*	8.3	6.8	*	16.7	9.8	*
Carotid Endarterectomy	15	6.7	1.5	*	6.7	2.9	*	13.3	4.3	*
Hip Replacement/Reconstruction	33	3.0	3.6	*	6.1	6.8	*	9.1	8.9	*
Open Reduction of Hip Fracture	13	15.4	4.9	*	23.1	9.2	*	23.1	12.3	*
Prostatectomy	71	1.4	1.1	1.8	2.8	2.8	3.8	7.0	4.8	4.5
Cholecystectomy	29	0.0	2.9	*	0.0	5.3	*	0.0	6.9	*
Hysterectomy	16	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,510	7.0	7.6	0.7	11.1	12.2	1.0	14.6	16.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	26.3	*	32.5	29.8	*	35.0	33.5	*
Congestive Heart Failure	60	15.0	15.4	4.7	21.7	23.8	5.9	31.7	30.7	6.0
Pneumonia/Influenza	48	4.2	14.5	*	12.5	20.1	*	18.8	24.5	*
Chronic Obstructive Pulmonary Disease	20	0.0	10.5	*	10.0	17.9	*	15.0	23.7	*
Transient Cerebral Ischemia	31	3.2	1.9	*	3.2	4.0	*	6.5	6.2	*
Stroke	46	28.3	23.4	*	39.1	31.2	*	39.1	36.4	*
Hip Fracture	25	4.0	4.8	*	4.0	9.3	*	8.0	12.6	*
Sepsis	5	40.0	18.7	*	40.0	25.1	*	40.0	29.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	3.5	*	5.6	7.0	*	5.6	10.4	*
Carotid Endarterectomy	11	9.1	2.2	*	9.1	4.7	*	9.1	7.3	*
Hip Replacement/Reconstruction	16	6.3	1.7	*	6.3	3.3	*	6.3	4.6	*
Open Reduction of Hip Fracture	16	0.0	4.4	*	0.0	8.9	*	6.3	12.3	*
Prostatectomy	65	0.0	1.0	1.5	1.5	2.4	2.1	3.1	4.0	2.7
Cholecystectomy	35	2.9	2.4	*	2.9	4.4	*	2.9	5.9	*
Hysterectomy	11	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DIVINE PROVIDENCE HOSPITAL

1004 Arch St
Pittsburgh, PA 15212

Medicare Provider Number: 390136

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,408	7.7	7.8	0.8	12.9	12.6	1.0	16.8	16.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	31	16.1	24.7	*	22.6	28.8	*	25.8	32.2	*
Congestive Heart Failure	81	9.9	14.7	7.4	17.3	23.5	7.0	27.2	30.9	6.3
Pneumonia/Influenza	68	14.7	14.4	4.5	27.9	19.8	6.2	33.8	24.4	7.0
Chronic Obstructive Pulmonary Disease	39	7.7	7.4	*	12.8	13.3	*	20.5	18.4	*
Transient Cerebral Ischemia	31	0.0	1.5	*	0.0	3.2	*	3.2	5.2	*
Stroke	67	11.9	13.6	6.0	16.4	20.2	7.4	22.4	24.4	6.5
Hip Fracture	24	8.3	5.7	*	16.7	10.9	*	25.0	14.7	*
Sepsis	7	14.3	19.4	*	14.3	27.4	*	14.3	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	13.1	*	0.0	22.5	*	100.0	28.5	*
Initial Pacemaker Insertion	7	14.3	4.7	*	14.3	10.2	*	28.6	15.4	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hip Replacement/Reconstruction	21	0.0	3.2	*	9.5	6.0	*	19.0	8.2	*
Open Reduction of Hip Fracture	13	15.4	4.4	*	15.4	8.8	*	23.1	12.2	*
Prostatectomy	34	0.0	1.1	*	2.9	2.5	*	5.9	4.2	*
Cholecystectomy	30	10.0	1.8	*	13.3	3.3	*	13.3	4.3	*
Hysterectomy	8	0.0	0.7	*	0.0	1.8	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	145
Occupancy Rate	70
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	139
Percent of Physicians Board Certified Specialists	60
Medical Residents/Interns	0
Registered Nurses	82
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DIVINE PROVIDENCE HOSPITAL

Medicare Provider Number: 390136

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,565	7.7	8.0	0.9	12.8	12.8	0.9	16.9	16.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	24.5	*	33.3	27.7	*	36.7	30.8	*
Congestive Heart Failure	115	13.9	13.9	3.4	23.5	21.2	4.6	27.8	27.5	5.0
Pneumonia/Influenza	73	8.2	15.5	6.2	16.4	21.1	5.5	21.9	25.5	5.5
Chronic Obstructive Pulmonary Disease	23	0.0	7.7	*	0.0	13.2	*	8.7	18.1	*
Transient Cerebral Ischemia	34	2.9	1.9	*	2.9	4.3	*	2.9	6.9	*
Stroke	74	13.5	15.6	5.4	17.6	22.5	7.6	23.0	26.9	8.1
Hip Fracture	26	11.5	7.7	*	11.5	13.9	*	19.2	17.8	*
Sepsis	11	27.3	23.7	*	36.4	31.6	*	45.5	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	6.7	*	11.8	11.6	*	17.6	16.0	*
Carotid Endarterectomy	3	0.0	2.2	*	0.0	4.5	*	0.0	6.5	*
Hip Replacement/Reconstruction	21	4.8	5.1	*	4.8	9.3	*	14.3	11.9	*
Open Reduction of Hip Fracture	14	14.3	5.7	*	14.3	11.1	*	14.3	14.8	*
Prostatectomy	43	0.0	1.1	*	0.0	2.7	*	0.0	4.6	*
Cholecystectomy	28	3.6	2.1	*	7.1	4.0	*	7.1	5.4	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,542	7.6	7.8	0.7	12.4	12.5	0.9	15.8	16.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	23.3	*	36.7	26.4	*	40.0	29.5	*
Congestive Heart Failure	90	13.3	16.6	5.2	21.1	24.4	7.5	27.8	31.1	7.7
Pneumonia/Influenza	56	14.3	14.4	5.5	19.6	20.4	6.0	26.8	25.5	6.4
Chronic Obstructive Pulmonary Disease	43	14.0	11.0	*	20.9	18.3	*	25.6	23.8	*
Transient Cerebral Ischemia	32	0.0	1.8	*	3.1	4.0	*	6.3	6.5	*
Stroke	70	15.7	16.1	4.6	21.4	23.4	5.6	27.1	28.1	6.3
Hip Fracture	24	0.0	5.7	*	8.3	10.1	*	8.3	13.0	*
Sepsis	19	31.6	22.7	*	52.6	31.6	*	63.2	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	3.8	*	0.0	7.5	*	11.1	10.8	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	15	6.7	2.4	*	13.3	4.2	*	13.3	5.3	*
Open Reduction of Hip Fracture	16	0.0	4.8	*	0.0	9.2	*	0.0	12.2	*
Prostatectomy	41	0.0	0.9	*	0.0	2.1	*	4.9	3.4	*
Cholecystectomy	26	0.0	2.2	*	3.8	4.3	*	3.8	6.0	*
Hysterectomy	9	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DOYLESTOWN HOSPITAL

595 W State St
Doylestown, PA 18901

Medicare Provider Number: 390203

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,903	9.2	9.9	1.2	13.8	14.9	1.1	17.8	18.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	66	22.7	26.2	6.5	27.3	29.9	6.3	30.3	33.3	6.8
Congestive Heart Failure	87	12.6	16.3	7.1	23.0	24.6	7.9	28.7	31.5	5.5
Pneumonia/Influenza	82	14.6	16.3	4.1	20.7	22.5	4.9	25.6	27.2	5.0
Chronic Obstructive Pulmonary Disease	36	8.3	6.4	*	13.9	10.3	*	27.8	13.8	*
Transient Cerebral Ischemia	53	1.9	2.0	1.9	1.9	4.6	3.9	5.7	7.4	3.9
Stroke	89	23.6	22.2	5.2	30.3	29.0	5.0	31.5	33.4	5.5
Hip Fracture	74	6.8	7.9	3.3	18.9	14.3	5.4	23.0	18.6	8.0
Sepsis	26	19.2	29.6	*	23.1	38.1	*	42.3	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.0	*	0.0	4.3	*	11.1	6.9	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.6	*	0.0	2.3	*
Hip Replacement/Reconstruction	41	7.3	3.9	*	9.8	7.4	*	14.6	10.1	*
Open Reduction of Hip Fracture	32	0.0	6.9	*	18.8	12.8	*	18.8	16.7	*
Prostatectomy	83	1.2	1.3	1.4	1.2	2.8	4.1	9.6	4.4	3.1
Cholecystectomy	37	2.7	3.3	*	5.4	5.6	*	5.4	7.0	*
Hysterectomy	27	0.0	0.8	*	3.7	1.9	*	3.7	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 213
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 107
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 0
Registered Nurses 287
Licensed Practical Nurses 63

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DOYLESTOWN HOSPITAL

Medicare Provider Number: 390203

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,989	10.0	10.2	0.7	15.8	15.2	0.9	19.8	19.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	69	30.4	28.5	5.8	37.7	32.2	7.3	42.0	35.8	8.6
Congestive Heart Failure	109	13.8	17.4	4.4	19.3	25.9	5.4	31.2	33.0	4.7
Pneumonia/Influenza	80	16.2	19.3	6.8	22.5	25.7	5.9	25.0	30.4	6.4
Chronic Obstructive Pulmonary Disease	29	13.8	8.7	*	17.2	13.8	*	24.1	18.1	*
Transient Cerebral Ischemia	21	4.8	2.8	*	4.8	6.4	*	9.5	10.0	*
Stroke	91	27.5	24.1	5.6	36.3	31.7	7.8	39.6	36.8	5.9
Hip Fracture	71	8.5	7.9	5.8	16.9	14.4	5.7	19.7	18.6	5.6
Sepsis	23	26.1	29.0	*	43.5	37.0	*	47.8	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	8.3	5.7	*	8.3	9.2	*	12.5	12.5	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	36	0.0	5.6	*	2.8	10.8	*	5.6	14.4	*
Open Reduction of Hip Fracture	31	3.2	6.7	*	12.9	13.1	*	16.1	17.4	*
Prostatectomy	119	1.7	1.9	1.3	3.4	3.8	1.9	5.9	5.7	2.6
Cholecystectomy	36	2.8	3.9	*	5.6	6.2	*	11.1	7.4	*
Hysterectomy	19	0.0	1.0	*	0.0	2.3	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,917	10.2	10.6	0.8	16.4	15.9	0.9	20.8	20.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	66	24.2	31.5	9.0	33.3	34.9	9.1	36.4	38.3	6.6
Congestive Heart Failure	99	15.2	18.7	5.8	24.2	27.5	5.0	31.3	34.7	6.1
Pneumonia/Influenza	75	16.0	17.8	5.3	22.7	24.3	5.6	29.3	29.3	5.5
Chronic Obstructive Pulmonary Disease	27	11.1	10.4	*	18.5	15.8	*	18.5	20.1	*
Transient Cerebral Ischemia	52	0.0	2.2	3.1	3.8	4.9	4.4	11.5	7.9	6.0
Stroke	103	24.3	22.8	4.7	33.0	30.1	5.3	35.0	34.8	4.7
Hip Fracture	68	7.4	7.8	3.3	11.8	14.2	5.0	16.2	18.2	5.2
Sepsis	20	15.0	32.3	*	25.0	40.4	*	25.0	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	5.5	*	6.3	8.7	*	6.3	11.8	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.5	*	0.0	3.4	*
Hip Replacement/Reconstruction	30	6.7	4.7	*	10.0	8.8	*	13.3	11.6	*
Open Reduction of Hip Fracture	38	5.3	7.3	*	10.5	13.6	*	13.2	17.7	*
Prostatectomy	93	4.3	1.7	2.4	7.5	4.0	2.8	11.8	6.5	4.2
Cholecystectomy	38	7.9	4.6	*	13.2	8.6	*	15.8	11.5	*
Hysterectomy	20	5.0	0.9	*	5.0	1.9	*	5.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Doylestown Hospital
595 WEST STATE STREET
DOYLESTOWN, PA 18901
215-345-2200

Richard A. Reif *President—Chief Executive Officer*

December 12, 1990

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Department of Health & Human Services
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Wilensky:

It seems all too often that we are quicker to be critical than to praise. But on this occasion I wanted to positively comment on the manner in which you released the Medicare hospital mortality this year. The letter is helpful and written in a positive tone. Although the data may still be problematic, I do want to congratulate you in the manner and spirit in which it was sent.

With this type of start I am hopeful that HCFA, the AHA, the Hospital Association of Pennsylvania and other like associations can find a constructive and positive way to address our mutual concerns regarding the cost and quality of healthcare.

Sincerely,

Richard A. Reif

RAR/da
cc: Congressman Peter Kostmayer

DUBOIS REGIONAL MEDICAL CENTER

P O Box 447 Maple Ave & 100 Hosp Ave
Dubois, PA 15801

Medicare Provider Number: 390086

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,553	9.0	9.5	1.1	14.7	14.9	1.4	18.2	19.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	22.6	*	30.8	25.9	*	33.3	29.3	*
Congestive Heart Failure	91	12.1	14.2	4.2	16.5	22.0	5.7	28.6	28.7	4.7
Pneumonia/Influenza	99	17.2	15.6	4.0	26.3	21.3	5.6	33.3	26.0	7.6
Chronic Obstructive Pulmonary Disease	31	3.2	9.0	*	9.7	16.0	*	9.7	21.9	*
Transient Cerebral Ischemia	36	2.8	2.1	*	2.8	4.7	*	2.8	7.5	*
Stroke	52	11.5	17.7	7.0	21.2	24.0	7.8	21.2	28.1	10.1
Hip Fracture	36	2.8	5.6	*	13.9	10.4	*	13.9	13.8	*
Sepsis	23	30.4	29.8	*	43.5	38.0	*	43.5	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	17.6	3.1	*	17.6	5.8	*	17.6	8.1	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	10	0.0	4.1	*	0.0	8.2	*	0.0	11.5	*
Open Reduction of Hip Fracture	12	0.0	5.7	*	16.7	10.6	*	16.7	13.8	*
Prostatectomy	63	1.6	1.0	1.6	1.6	2.5	2.2	3.2	4.2	2.8
Cholecystectomy	38	5.3	2.8	*	7.9	4.7	*	7.9	5.9	*
Hysterectomy	14	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 203
Occupancy Rate 72
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 66
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 0
Registered Nurses 211
Licensed Practical Nurses 107

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DUBOIS REGIONAL MEDICAL CENTER

Medicare Provider Number: 390086

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,563	10.6	10.0	1.0	15.5	15.3	1.1	19.1	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	45	35.6	26.4	*	40.0	29.8	*	44.4	33.2	*
Congestive Heart Failure	89	12.4	15.1	5.4	19.1	23.0	6.4	28.1	29.6	5.6
Pneumonia/Influenza	89	15.7	18.7	5.9	23.6	25.4	6.4	27.0	30.6	6.7
Chronic Obstructive Pulmonary Disease	34	2.9	8.4	*	11.8	14.1	*	11.8	19.2	*
Transient Cerebral Ischemia	46	2.2	2.2	*	6.5	4.9	*	8.7	7.7	*
Stroke	73	27.4	21.2	7.9	31.5	28.3	6.5	32.9	33.0	5.5
Hip Fracture	37	10.8	5.6	*	13.5	10.4	*	13.5	13.6	*
Sepsis	15	46.7	35.5	*	66.7	44.9	*	66.7	51.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	3.4	*	0.0	6.7	*	0.0	9.5	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	12	8.3	4.2	*	8.3	8.4	*	8.3	11.3	*
Open Reduction of Hip Fracture	11	9.1	5.5	*	9.1	10.6	*	9.1	14.0	*
Prostatectomy	69	2.9	1.4	2.0	2.9	3.4	2.2	2.9	5.5	3.5
Cholecystectomy	27	0.0	2.3	*	3.7	4.0	*	3.7	5.3	*
Hysterectomy	7	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,620	7.9	9.1	1.1	13.3	14.2	1.5	16.9	18.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	24.2	*	31.3	27.6	*	31.3	31.1	*
Congestive Heart Failure	82	13.4	15.3	5.2	22.0	23.2	7.9	30.5	29.7	7.6
Pneumonia/Influenza	66	21.2	19.1	5.4	34.8	25.9	8.2	39.4	31.1	9.0
Chronic Obstructive Pulmonary Disease	42	4.8	11.5	*	14.3	18.5	*	21.4	24.0	*
Transient Cerebral Ischemia	45	2.2	2.5	*	4.4	5.4	*	6.7	8.5	*
Stroke	46	21.7	21.5	*	26.1	28.6	*	32.6	33.2	*
Hip Fracture	33	15.2	6.5	*	15.2	11.9	*	21.2	15.7	*
Sepsis	14	50.0	35.4	*	50.0	44.1	*	64.3	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.7	*	0.0	7.0	*	0.0	10.1	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	8	12.5	5.0	*	12.5	9.1	*	12.5	11.8	*
Open Reduction of Hip Fracture	15	13.3	5.8	*	13.3	11.5	*	20.0	15.7	*
Prostatectomy	67	0.0	0.7	1.2	0.0	1.6	2.1	1.5	2.7	2.2
Cholecystectomy	26	0.0	2.9	*	0.0	5.6	*	3.8	7.4	*
Hysterectomy	14	7.1	0.5	*	7.1	0.9	*	7.1	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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DuBois Regional Medical Center

January 15, 1991

Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

ATTN: Mrs. Sandra Kappert

RE: Comments on HCFA Mortality Data

Dear Mrs. Kappert:

A review of Medicare hospital mortality rates for fiscal year 1989 shows that our observed rate is lower than our predicted rate in all condition categories but one. Although the number of patients in the pneumonia category is slightly higher than predicted, it still falls within the predicted range of mortality, and is worthy of no further analysis. In all of the procedure categories but one, the number of cases or deaths is too small to permit satisfactory estimation of the standard deviation, making analysis of the rates meaningless. In the prostatectomy category, the observed mortality rate is insignificantly higher than predicted for the thirty day period following admission.

In general, we have two major concerns with the release of mortality data. First of all, there is no way to analyze the deaths of patients following discharge. Secondly, our internal peer review process encompasses the review of all mortalities, and provides more useful information on the quality of care rendered at DuBois Regional Medical Center.

Thank you for this opportunity to comment.

Sincerely,

Raymond A. Graeca
President & Chief Executive Officer
DuBois Regional Medical Center

RAG:cjc

EAGLEVILLE HOSPITAL

100 Eagleville Rd
Eagleville, PA 19408

Medicare Provider Number: 390278

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	21	0.0	0.2	*	0.0	0.5	*	0.0	1.0	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	149
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	17
Medical Residents/Interns	0
Registered Nurses	49
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EAGLEVILLE HOSPITAL

Medicare Provider Number: 390278

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1	0.0	0.8	*	0.0	2.0	*	0.0	3.2	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EASTON HOSPITAL

21st & Lehigh Sts
Easton, PA 18042

Medicare Provider Number: 390162

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,437	8.6	9.7	0.6	14.1	14.7	0.8	17.5	18.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	108	27.8	27.3	4.3	32.4	31.5	4.6	35.2	35.3	5.5
Congestive Heart Failure	199	14.1	17.6	5.1	23.1	26.9	5.5	32.7	34.3	4.3
Pneumonia/Influenza	148	18.9	19.9	3.7	29.1	26.9	4.4	32.4	32.2	3.9
Chronic Obstructive Pulmonary Disease	74	8.1	9.3	4.0	20.3	16.0	5.8	24.3	21.7	6.1
Transient Cerebral Ischemia	80	0.0	1.5	1.7	0.0	3.4	2.7	1.2	5.4	3.3
Stroke	114	27.2	24.2	5.1	35.1	30.8	6.8	38.6	35.4	5.8
Hip Fracture	71	4.2	7.5	5.2	7.0	13.5	6.3	14.1	17.5	5.4
Sepsis	45	24.4	29.4	*	33.3	38.2	*	42.2	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	48	2.1	4.5	*	12.5	8.5	*	14.6	11.9	*
Carotid Endarterectomy	14	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	37	0.0	3.7	*	2.7	7.1	*	5.4	9.6	*
Open Reduction of Hip Fracture	42	7.1	7.1	*	11.9	13.3	*	16.7	17.4	*
Prostatectomy	83	0.0	1.1	1.6	1.2	2.7	2.4	4.8	4.7	2.3
Cholecystectomy	88	1.1	2.6	2.1	4.5	4.5	2.6	4.5	6.0	2.8
Hysterectomy	11	0.0	1.8	*	0.0	3.8	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 305
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 184
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 30
Registered Nurses 343
Licensed Practical Nurses 82

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EASTON HOSPITAL

Medicare Provider Number: 390162

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,414	8.2	10.2	0.6	13.2	15.4	0.7	16.5	19.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	110	19.1	24.0	5.4	24.5	28.1	5.8	26.4	31.9	6.4
Congestive Heart Failure	209	13.9	19.4	3.3	20.1	28.6	4.4	26.8	35.8	5.0
Pneumonia/Influenza	135	18.5	23.2	6.4	25.2	30.6	5.8	31.9	35.9	6.0
Chronic Obstructive Pulmonary Disease	58	12.1	11.0	5.3	19.0	18.0	5.3	24.1	23.6	6.5
Transient Cerebral Ischemia	93	3.2	1.3	2.1	4.3	3.0	2.4	6.5	4.7	2.9
Stroke	112	15.2	23.7	4.8	28.6	30.4	5.1	32.1	35.1	4.6
Hip Fracture	71	2.8	6.8	4.6	7.0	12.6	6.1	12.7	16.4	5.5
Sepsis	37	40.5	30.4	*	48.6	40.7	*	48.6	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	0.0	6.8	*	3.0	10.2	*	6.1	13.1	*
Carotid Endarterectomy	18	0.0	1.5	*	0.0	3.3	*	0.0	5.1	*
Hip Replacement/Reconstruction	36	2.8	2.3	*	2.8	4.7	*	5.6	6.4	*
Open Reduction of Hip Fracture	46	2.2	6.1	*	6.5	11.7	*	8.7	15.4	*
Prostatectomy	82	1.2	1.0	1.4	4.9	2.5	2.8	6.1	4.2	4.0
Cholecystectomy	75	4.0	2.3	2.2	4.0	4.1	2.3	5.3	5.3	2.6
Hysterectomy	16	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,308	8.0	9.5	0.6	11.9	14.6	0.7	15.5	18.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	120	20.8	25.3	6.4	24.2	29.3	7.6	25.8	32.9	7.8
Congestive Heart Failure	179	13.4	18.2	4.8	22.9	27.0	7.2	29.1	33.9	6.2
Pneumonia/Influenza	139	12.9	19.2	5.3	20.9	25.3	5.0	24.5	30.2	5.6
Chronic Obstructive Pulmonary Disease	54	5.6	10.0	5.9	7.4	18.6	7.2	13.0	25.5	8.1
Transient Cerebral Ischemia	88	2.3	1.8	1.8	4.5	3.9	3.3	4.5	6.1	4.8
Stroke	117	15.4	22.9	5.7	17.1	29.9	7.2	23.1	34.4	7.1
Hip Fracture	83	1.2	7.9	5.0	10.8	13.9	6.0	12.0	17.8	5.6
Sepsis	24	45.8	32.2	*	54.2	41.3	*	58.3	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	48	0.0	4.8	*	0.0	8.8	*	0.0	12.2	*
Carotid Endarterectomy	31	0.0	1.5	*	0.0	2.9	*	3.2	4.2	*
Hip Replacement/Reconstruction	34	0.0	3.5	*	5.9	6.6	*	8.8	8.9	*
Open Reduction of Hip Fracture	58	1.7	7.7	5.4	10.3	14.2	6.9	12.1	18.3	8.3
Prostatectomy	93	1.1	1.3	1.3	3.2	3.1	2.4	6.5	5.2	3.4
Cholecystectomy	76	1.3	3.0	3.0	2.6	5.2	4.2	3.9	6.8	5.0
Hysterectomy	11	0.0	0.8	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELK COUNTY GENERAL HOSPITAL

94 Hosp St
Ridgway, PA 15853

Medicare Provider Number: 390161

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	326	7.7	8.4	1.6	10.7	12.8	2.2	13.2	16.3	2.7
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	16.4	*	0.0	18.8	*	0.0	21.6	*
Congestive Heart Failure	17	5.9	14.0	*	5.9	22.0	*	17.6	28.9	*
Pneumonia/Influenza	30	10.0	14.5	*	10.0	19.7	*	13.3	24.2	*
Chronic Obstructive Pulmonary Disease	8	12.5	9.4	*	12.5	15.3	*	12.5	20.5	*
Transient Cerebral Ischemia	17	0.0	2.0	*	5.9	4.5	*	11.8	7.3	*
Stroke	13	23.1	17.6	*	30.8	22.7	*	38.5	27.0	*
Hip Fracture	1	0.0	7.2	*	0.0	11.3	*	0.0	13.7	*
Sepsis	2	0.0	24.7	*	0.0	32.6	*	0.0	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	8	12.5	2.1	*	12.5	3.4	*	12.5	4.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	82
Occupancy Rate	40
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	0
Registered Nurses	43
Licensed Practical Nurses	24

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ELK COUNTY GENERAL HOSPITAL

Medicare Provider Number: 390161

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	347	10.7	9.3	1.8	15.3	14.1	2.1	16.7	17.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	26.7	*	28.6	30.8	*	28.6	34.9	*
Congestive Heart Failure	32	34.4	17.1	*	40.6	26.2	*	40.6	33.2	*
Pneumonia/Influenza	24	8.3	15.0	*	16.7	20.1	*	16.7	24.3	*
Chronic Obstructive Pulmonary Disease	8	0.0	6.9	*	0.0	11.5	*	0.0	15.6	*
Transient Cerebral Ischemia	11	0.0	3.7	*	0.0	8.6	*	0.0	13.1	*
Stroke	19	10.5	21.3	*	26.3	27.9	*	26.3	32.8	*
Hip Fracture	0									
Sepsis	1	0.0	21.9	*	0.0	26.1	*	0.0	31.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	9	0.0	2.0	*	0.0	3.2	*	0.0	3.9	*
Hysterectomy	1	100.0	0.4	*	100.0	1.0	*	100.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	351	8.0	8.9	2.5	10.8	14.0	3.6	15.1	18.3	3.9
CONDITIONS:										
Acute Myocardial Infarction	6	50.0	31.4	*	50.0	34.5	*	50.0	38.2	*
Congestive Heart Failure	25	8.0	16.5	*	16.0	25.6	*	28.0	33.2	*
Pneumonia/Influenza	21	9.5	14.0	*	19.0	19.3	*	23.8	24.0	*
Chronic Obstructive Pulmonary Disease	12	16.7	9.6	*	16.7	15.9	*	16.7	21.0	*
Transient Cerebral Ischemia	19	0.0	2.1	*	0.0	4.7	*	0.0	7.6	*
Stroke	22	4.5	18.7	*	9.1	25.4	*	9.1	30.3	*
Hip Fracture	1	0.0	3.0	*	0.0	5.6	*	0.0	7.5	*
Sepsis	2	0.0	15.8	*	0.0	23.2	*	0.0	27.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*
Cholecystectomy	4	0.0	1.1	*	0.0	1.8	*	0.0	2.4	*
Hysterectomy	2	0.0	4.1	*	0.0	10.8	*	0.0	18.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELLWOOD CITY HOSPITAL

724 Pershing St
Ellwood City, PA 16117

Medicare Provider Number: 390008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	990	6.3	9.5	1.4	10.7	14.2	1.5	13.9	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	44	6.8	33.2	*	6.8	36.7	*	15.9	40.7	*
Congestive Heart Failure	62	16.1	18.6	5.5	29.0	28.6	6.4	33.9	36.4	8.1
Pneumonia/Influenza	42	11.9	16.6	*	16.7	22.3	*	19.0	26.9	*
Chronic Obstructive Pulmonary Disease	44	9.1	7.3	*	9.1	12.7	*	11.4	17.5	*
Transient Cerebral Ischemia	26	3.8	2.5	*	11.5	5.5	*	11.5	9.0	*
Stroke	42	11.9	19.8	*	16.7	26.0	*	21.4	30.4	*
Hip Fracture	26	7.7	7.9	*	15.4	14.2	*	19.2	18.3	*
Sepsis	7	28.6	26.1	*	42.9	33.3	*	42.9	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.3	*	0.0	7.3	*	11.1	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	6.4	*	25.0	12.0	*	37.5	16.1	*
Open Reduction of Hip Fracture	16	0.0	7.2	*	6.3	13.5	*	6.3	17.7	*
Prostatectomy	26	0.0	0.7	*	0.0	1.8	*	3.8	3.1	*
Cholecystectomy	13	7.7	2.3	*	7.7	4.0	*	7.7	5.1	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 122
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 31
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 75
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ELLWOOD CITY HOSPITAL

Medicare Provider Number: 390008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,098	7.5	9.6	1.1	11.8	14.3	1.4	14.6	18.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	49	18.4	33.5	*	20.4	37.0	*	26.5	40.7	*
Congestive Heart Failure	86	15.1	15.8	5.7	17.4	24.1	7.8	24.4	30.9	9.6
Pneumonia/Influenza	45	11.1	17.8	*	13.3	24.1	*	13.3	29.1	*
Chronic Obstructive Pulmonary Disease	28	3.6	9.4	*	7.1	15.6	*	7.1	20.8	*
Transient Cerebral Ischemia	31	3.2	2.9	*	3.2	6.3	*	6.5	10.0	*
Stroke	32	12.5	19.7	*	21.9	25.7	*	21.9	30.2	*
Hip Fracture	19	21.1	8.3	*	26.3	14.9	*	31.6	18.9	*
Sepsis	6	0.0	20.2	*	0.0	25.5	*	0.0	30.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	9.5	5.1	*	14.3	8.6	*	14.3	12.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	4.5	*	11.1	8.4	*	11.1	10.9	*
Open Reduction of Hip Fracture	13	30.8	7.4	*	30.8	13.9	*	38.5	18.0	*
Prostatectomy	27	0.0	0.8	*	0.0	2.0	*	0.0	3.2	*
Cholecystectomy	31	0.0	1.8	*	0.0	3.1	*	3.2	4.0	*
Hysterectomy	11	9.1	5.3	*	9.1	7.5	*	18.2	9.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,072	7.8	10.1	1.2	12.9	14.9	1.6	15.4	18.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	59	20.3	33.7	7.7	25.4	37.0	8.6	25.4	40.9	8.4
Congestive Heart Failure	61	14.8	16.6	5.4	16.4	24.8	6.4	18.0	31.6	8.0
Pneumonia/Influenza	54	13.0	16.5	8.4	18.5	22.2	8.7	22.2	27.1	9.8
Chronic Obstructive Pulmonary Disease	39	5.1	11.0	*	12.8	18.1	*	12.8	23.4	*
Transient Cerebral Ischemia	13	0.0	1.9	*	0.0	4.3	*	7.7	6.9	*
Stroke	39	17.9	20.6	*	23.1	26.9	*	25.6	31.3	*
Hip Fracture	21	0.0	6.2	*	9.5	11.5	*	14.3	15.0	*
Sepsis	7	28.6	32.6	*	57.1	37.9	*	57.1	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.7	*	0.0	9.4	*	0.0	14.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.5	*	0.0	6.8	*	7.7	9.1	*
Open Reduction of Hip Fracture	10	0.0	6.5	*	20.0	12.6	*	20.0	16.7	*
Prostatectomy	27	0.0	1.4	*	0.0	3.3	*	0.0	5.2	*
Cholecystectomy	26	3.8	2.8	*	7.7	5.0	*	7.7	6.4	*
Hysterectomy	15	0.0	4.7	*	0.0	6.4	*	0.0	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

113.1



THE ELLWOOD CITY HOSPITAL

724 Pershing Street
Ellwood City, Pennsylvania 16117-1499
(412) 752-0081
FAX (412) 752-0966

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
1-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

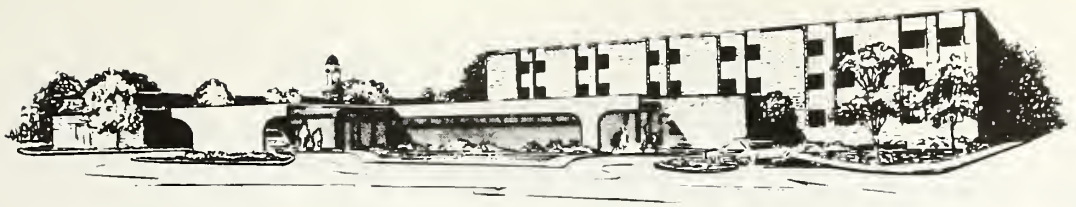
Enclosed please find comments from Ellwood City Hospital to be included in the Medicare Hospital Mortality Information. This information was also sent to you via facsimile at 4 P.M. today.

Thank you for your cooperation.

Sincerely,

CAROLYN IZZO, R.N.
QUALITY ASSURANCE

/pp
Enclosure



THE ELLWOOD CITY HOSPITAL

724 Pershing Street
Ellwood City, Pennsylvania 16117-1499
(412) 752-0081
FAX (412) 752-0966

Medicare Provider No. 390008

RESPONSE HCFA MORTALITIES

Ellwood City Hospital on the overall ranks well within the predicted rates for mortalities from all causes. In depth review however shows four areas in which the observed rate was somewhat higher than the predicted. A review of all cases in those areas demonstrated the following:

Hip Replacement/Reconstruction: This rate accounts for a total of three mortalities. In all three cases the patients were suffering from long term chronic debilitating illness. In two cases the replacement was performed on patients with metastatic bone disease who tolerated the procedure well and were subsequently discharged to long term care facilities. The exact circumstances of death are unknown to this hospital. In the third case the surgery had gone well, the patient discharged, and readmitted at a later date with cause of death as a result of his numerous longstanding multiple medical conditions for which he had been placed in a nursing home.

Sepsis: Observed rate of mortality in this area accounts for a total of three mortalities for our hospital. In two of the three cases although the patients had a principle diagnosis of septicemia they also suffered from contributory other illness such as metastatic disease and end stage hepatic disease.

Cholecystectomy: The above predicted rate in this area accounts for the death of one patient. Information available on this was not readily available to Ellwood City Hospital as the patient had undergone the procedure, progressed well post-operatively, and was subsequently discharged. At a later date the patient suffered a cardiopulmonary arrest however additional information was not available to this facility.

Transient Cerebral Ischemia: Observed rate of mortality in this area accounts for a total of three deaths. In two of the three cases the patients were transferred to other facilities with the circumstances regarding treatment and diagnosis at the other facilities unknown to the hospital. What was known in both cases was the fact the patients had serious secondary diagnosis. One case suffered from symptomatic leaking abdominal aortic anueryism for which transfer was performed by helicopter and the second case suffered from carcinoma of the prostate with metastasis.

EPHRATA COMMUNITY HOSPITAL

Martin Ave
Ephrata, PA 17522

Medicare Provider Number: 390225

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,133	9.8	9.1	0.9	12.8	13.4	1.0	15.4	16.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	46	23.9	29.6	*	28.3	32.8	*	32.6	36.2	*
Congestive Heart Failure	59	16.9	15.2	5.5	18.6	23.0	7.1	23.7	29.6	8.9
Pneumonia/Influenza	47	6.4	14.4	*	10.6	19.5	*	10.6	23.6	*
Chronic Obstructive Pulmonary Disease	17	17.6	5.0	*	17.6	8.8	*	23.5	12.5	*
Transient Cerebral Ischemia	44	2.3	1.7	*	2.3	3.8	*	9.1	6.1	*
Stroke	49	32.7	25.3	*	38.8	31.5	*	38.8	35.9	*
Hip Fracture	28	0.0	6.9	*	7.1	12.0	*	10.7	15.3	*
Sepsis	6	33.3	25.9	*	33.3	33.7	*	33.3	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	3.8	*	5.6	7.1	*	5.6	10.1	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	19	0.0	3.3	*	5.3	5.7	*	5.3	7.4	*
Open Reduction of Hip Fracture	14	0.0	6.3	*	0.0	11.6	*	7.1	15.2	*
Prostatectomy	47	2.1	1.1	*	2.1	2.7	*	6.4	4.6	*
Cholecystectomy	29	0.0	2.6	*	0.0	4.2	*	0.0	4.9	*
Hysterectomy	6	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 134
Occupancy Rate 60
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 75
Percent of Physicians Board Certified Specialists 51
Medical Residents/Interns 0
Registered Nurses 104
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EPHRATA COMMUNITY HOSPITAL

Medicare Provider Number: 390225

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,055	10.1	8.7	1.5	14.6	13.0	1.9	17.8	16.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	46	41.3	27.9	*	45.7	30.9	*	50.0	34.1	*
Congestive Heart Failure	52	21.2	15.5	7.0	26.9	23.8	8.7	40.4	30.6	12.2
Pneumonia/Influenza	38	18.4	13.9	*	28.9	18.6	*	28.9	22.5	*
Chronic Obstructive Pulmonary Disease	14	0.0	4.9	*	0.0	9.1	*	7.1	13.1	*
Transient Cerebral Ischemia	36	5.6	2.3	*	5.6	4.9	*	8.3	7.7	*
Stroke	27	22.2	17.6	*	22.2	23.9	*	22.2	28.1	*
Hip Fracture	30	3.3	8.3	*	23.3	14.4	*	23.3	18.2	*
Sepsis	10	10.0	16.3	*	10.0	22.5	*	20.0	27.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	5.5	*	5.9	8.9	*	5.9	12.0	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	10	0.0	5.8	*	0.0	11.6	*	0.0	15.9	*
Open Reduction of Hip Fracture	12	8.3	7.8	*	25.0	14.1	*	25.0	17.9	*
Prostatectomy	42	0.0	1.2	*	4.8	2.8	*	9.5	4.5	*
Cholecystectomy	28	0.0	2.3	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	13	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

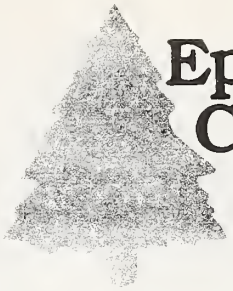
*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,068	9.2	9.0	1.1	13.6	13.7	1.1	17.0	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	22.9	32.0	*	25.7	35.8	*	28.6	39.5	*
Congestive Heart Failure	52	15.4	15.0	5.3	28.8	22.6	8.9	34.6	29.2	10.5
Pneumonia/Influenza	39	20.5	13.4	*	23.1	18.4	*	25.6	22.9	*
Chronic Obstructive Pulmonary Disease	19	5.3	8.3	*	10.5	14.3	*	10.5	19.6	*
Transient Cerebral Ischemia	45	2.2	2.1	*	4.4	4.5	*	6.7	7.2	*
Stroke	39	23.1	21.4	*	30.8	28.7	*	35.9	33.3	*
Hip Fracture	35	5.7	7.3	*	8.6	12.7	*	11.4	16.3	*
Sepsis	12	0.0	25.6	*	0.0	31.5	*	0.0	37.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.2	*	0.0	6.4	*	9.1	9.5	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.8	*	0.0	5.7	*
Hip Replacement/Reconstruction	12	0.0	3.3	*	0.0	6.2	*	0.0	8.1	*
Open Reduction of Hip Fracture	18	11.1	6.5	*	16.7	11.7	*	16.7	15.1	*
Prostatectomy	39	2.6	1.3	*	2.6	2.8	*	5.1	4.5	*
Cholecystectomy	26	3.8	4.3	*	3.8	7.2	*	3.8	9.0	*
Hysterectomy	9	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

115.1



Ephrata Community Hospital

The Tree of Life is Wellness

January 7, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Medicare Provider No. 39-0225

Dear Mrs. Kappert:

The following information is submitted for comment with our Hospital-specific statistics.

Such statistics represent a group of elderly patients, who usually have more acute illnesses and who may have one or more underlying co-conditions, which affect the severity of illness. However, the severity of illness is not reflected in the statistics.

The Hospital would also like to note that a death occurring up to 180 days after discharge from a facility is not an accurate reflection of the quality of care the patient received as an inpatient nor the outcome at time of discharge. Many factors which may contribute to the death are not within the Hospital's control, such as family support, other health problems, accidents, etc.

For our specific Hospital, there is only one category (Congestive Heart Failure) for which a standard deviation can be calculated. Therefore, the ability to utilize such numbers is questionable and should be combined on a multi-year basis to provide reasonable sample sizes.

For all causes, we are at or below the predicted rate and, in comparing categorical data to 1988, there has been improvement in the rates. The rate for COPD prompted further investigation as five of the patients died within the 180 day parameter as follows: one died in our facility as a result of severe emphysema with respiratory failure and one of sudden ventricular fibrillation; one died out of state, cause unknown; and two died in other institutions, causes unknown.

(continued)

Martin Avenue • Ephrata, PA 17522-1002
(717) 733-0311

Our Hospital ensures quality health care to all its patients through implementation of our Quality Assurance Plan. As the technology and scope of healthcare has changed, so have we, in order to provide our patients the best in care. Further, we also support the reporting of useful outcome data to the public based on severity measures, reasonable sample sizes, and time frames after discharge that are realistic.

Sincerely,

John M. Porter, Jr.
President

pw

cc: Susan L. Young, Vice President for Professional Affairs
Martha Rotz, Director of Quality Assurance

EPISCOPAL HOSPITAL

Front St Lehigh Ave
Philadelphia, PA 19125

Medicare Provider Number: 390235

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,283	8.5	8.5	0.8	13.3	12.9	1.0	16.3	16.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	28	25.0	27.0	*	28.6	30.8	*	32.1	34.0	*
Congestive Heart Failure	62	11.3	15.5	7.3	19.4	23.7	9.3	24.2	30.5	11.9
Pneumonia/Influenza	36	19.4	15.6	*	27.8	21.6	*	33.3	26.3	*
Chronic Obstructive Pulmonary Disease	26	19.2	10.4	*	23.1	17.6	*	30.8	23.5	*
Transient Cerebral Ischemia	16	0.0	1.9	*	0.0	4.1	*	0.0	6.4	*
Stroke	40	22.5	19.3	*	30.0	25.3	*	40.0	29.3	*
Hip Fracture	16	6.3	6.8	*	25.0	12.6	*	25.0	16.9	*
Sepsis	13	38.5	32.8	*	46.2	45.6	*	53.8	53.4	*
PROCEDURES:										
Angioplasty	59	1.7	1.9	1.9	3.4	2.9	2.5	3.4	3.8	2.6
Coronary Artery Bypass Graft	112	8.0	5.1	3.1	10.7	7.4	4.1	10.7	8.7	4.7
Initial Pacemaker Insertion	6	0.0	5.0	*	16.7	9.6	*	16.7	13.5	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.8	*	0.0	2.7	*
Hip Replacement/Reconstruction	10	10.0	4.2	*	20.0	8.7	*	20.0	12.3	*
Open Reduction of Hip Fracture	6	0.0	6.3	*	16.7	11.5	*	16.7	14.9	*
Prostatectomy	42	4.8	1.6	*	7.1	4.0	*	9.5	6.3	*
Cholecystectomy	11	18.2	3.6	*	27.3	7.3	*	27.3	10.3	*
Hysterectomy	5	0.0	5.4	*	0.0	7.0	*	0.0	8.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	268
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	215
Percent of Physicians Board Certified Specialists	57
Medical Residents/Interns	47
Registered Nurses	191
Licensed Practical Nurses	49

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EPISCOPAL HOSPITAL

Medicare Provider Number: 390235

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,420	7.4	8.4	0.9	13.0	12.8	1.0	16.8	16.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	40	15.0	28.9	*	17.5	31.7	*	20.0	35.1	*
Congestive Heart Failure	62	16.1	15.5	5.2	22.6	23.9	5.5	33.9	30.8	6.7
Pneumonia/Influenza	27	14.8	16.7	*	18.5	23.3	*	22.2	28.3	*
Chronic Obstructive Pulmonary Disease	25	4.0	11.9	*	24.0	19.4	*	36.0	25.4	*
Transient Cerebral Ischemia	23	0.0	1.5	*	4.3	3.1	*	4.3	4.8	*
Stroke	34	11.8	19.8	*	20.6	26.6	*	29.4	31.2	*
Hip Fracture	18	22.2	8.8	*	44.4	15.5	*	44.4	19.6	*
Sepsis	15	53.3	29.2	*	66.7	41.0	*	66.7	48.8	*
PROCEDURES:										
Angioplasty	63	6.3	3.4	3.3	6.3	4.7	3.3	7.9	5.8	4.0
Coronary Artery Bypass Graft	97	7.2	6.3	2.9	9.3	8.6	3.3	11.3	10.0	3.8
Initial Pacemaker Insertion	5	0.0	14.9	*	20.0	20.7	*	40.0	24.7	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	12	8.3	4.2	*	33.3	8.1	*	33.3	10.8	*
Open Reduction of Hip Fracture	6	16.7	8.7	*	33.3	15.7	*	33.3	19.7	*
Prostatectomy	44	0.0	1.7	*	4.5	4.1	*	9.1	6.7	*
Cholecystectomy	24	8.3	3.0	*	12.5	5.7	*	12.5	7.6	*
Hysterectomy	11	0.0	0.7	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,388	7.9	9.2	0.9	13.6	14.1	1.0	17.8	17.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	45	31.1	31.5	*	42.2	34.9	*	42.2	38.7	*
Congestive Heart Failure	64	15.6	15.8	5.6	18.8	24.2	6.9	23.4	31.2	9.0
Pneumonia/Influenza	20	15.0	15.1	*	30.0	20.4	*	30.0	24.7	*
Chronic Obstructive Pulmonary Disease	31	3.2	13.8	*	16.1	22.0	*	22.6	28.0	*
Transient Cerebral Ischemia	23	0.0	1.7	*	0.0	3.6	*	8.7	5.7	*
Stroke	45	6.7	20.3	*	13.3	27.3	*	22.2	31.7	*
Hip Fracture	17	5.9	7.8	*	17.6	13.7	*	17.6	17.4	*
Sepsis	10	10.0	30.0	*	40.0	40.1	*	40.0	47.0	*
PROCEDURES:										
Angioplasty	39	5.1	3.2	*	5.1	4.4	*	5.1	5.9	*
Coronary Artery Bypass Graft	64	3.1	8.1	6.0	7.8	11.3	7.6	7.8	13.0	6.8
Initial Pacemaker Insertion	7	0.0	2.1	*	0.0	4.6	*	0.0	6.7	*
Carotid Endarterectomy	2	0.0	1.9	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	9	0.0	3.9	*	11.1	6.9	*	11.1	8.9	*
Open Reduction of Hip Fracture	11	9.1	7.6	*	18.2	14.2	*	18.2	18.4	*
Prostatectomy	29	3.4	1.5	*	6.9	3.7	*	6.9	6.3	*
Cholecystectomy	21	4.8	4.4	*	9.5	7.6	*	14.3	9.8	*
Hysterectomy	3	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EVANGELICAL COMMUNITY HOSPITAL

One Hospital Drive
Lewisburg, PA 17837

Medicare Provider Number: 390013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,557	8.8	8.3	0.7	12.6	12.4	0.8	16.1	15.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	73	23.3	29.9	7.0	26.0	33.0	6.9	32.9	36.3	6.3
Congestive Heart Failure	114	21.1	13.6	5.3	30.7	21.5	6.6	36.0	28.0	6.1
Pneumonia/Influenza	98	9.2	13.5	4.0	13.3	19.0	5.4	14.3	23.3	6.2
Chronic Obstructive Pulmonary Disease	22	4.5	3.3	*	4.5	6.1	*	4.5	8.6	*
Transient Cerebral Ischemia	42	0.0	1.8	*	2.4	4.0	*	9.5	6.5	*
Stroke	64	14.1	19.7	7.5	23.4	26.8	7.6	29.7	31.5	6.0
Hip Fracture	47	2.1	3.8	*	2.1	7.2	*	4.3	9.7	*
Sepsis	25	28.0	21.3	*	32.0	26.9	*	36.0	31.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	0.0	2.2	*	2.9	4.4	*	5.9	6.2	*
Open Reduction of Hip Fracture	24	4.2	3.6	*	4.2	6.9	*	4.2	9.4	*
Prostatectomy	25	4.0	0.9	*	8.0	2.2	*	8.0	3.6	*
Cholecystectomy	42	2.4	1.9	*	4.8	3.6	*	4.8	4.8	*
Hysterectomy	11	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 155
Occupancy Rate 61
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 65
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 136
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EVANGELICAL COMMUNITY HOSPITAL

Medicare Provider Number: 390013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,634	9.7	8.0	1.0	14.5	11.9	1.1	17.3	15.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	34.1	30.5	5.5	37.6	33.9	5.6	38.8	37.6	5.6
Congestive Heart Failure	115	19.1	15.0	4.2	25.2	23.2	4.0	27.8	29.9	4.4
Pneumonia/Influenza	103	14.6	14.3	3.8	19.4	19.8	3.9	20.4	24.4	4.8
Chronic Obstructive Pulmonary Disease	17	0.0	4.5	*	0.0	7.6	*	0.0	10.3	*
Transient Cerebral Ischemia	52	1.9	1.6	1.8	5.8	3.3	3.2	7.7	5.2	4.6
Stroke	61	23.0	18.1	7.0	27.9	24.4	7.2	34.4	29.0	7.9
Hip Fracture	50	2.0	3.6	*	4.0	7.0	*	14.0	9.4	*
Sepsis	28	46.4	25.7	*	53.6	33.8	*	57.1	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	75.0	27.8	*	75.0	33.4	*	75.0	37.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	33	6.1	1.1	*	6.1	2.2	*	6.1	3.1	*
Open Reduction of Hip Fracture	24	0.0	3.8	*	4.2	7.6	*	25.0	10.4	*
Prostatectomy	35	2.9	0.9	*	2.9	2.4	*	5.7	4.1	*
Cholecystectomy	47	2.1	2.3	*	6.4	4.7	*	10.6	6.7	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,533	10.6	8.4	1.0	15.0	12.6	1.2	17.9	16.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	72	23.6	28.9	10.4	27.8	32.5	10.5	30.6	36.1	9.6
Congestive Heart Failure	111	16.2	15.5	3.5	22.5	23.4	4.3	29.7	30.1	4.4
Pneumonia/Influenza	97	19.6	15.1	7.4	26.8	21.1	7.1	29.9	26.0	7.2
Chronic Obstructive Pulmonary Disease	27	18.5	7.7	*	18.5	13.2	*	22.2	17.8	*
Transient Cerebral Ischemia	42	2.4	1.8	*	2.4	3.8	*	9.5	6.0	*
Stroke	60	26.7	18.8	8.6	36.7	25.3	8.5	38.3	30.0	7.5
Hip Fracture	55	10.9	5.4	6.0	16.4	9.8	7.3	20.0	12.8	8.4
Sepsis	16	12.5	27.3	*	25.0	34.9	*	25.0	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	4.0	3.1	*	4.0	5.7	*	4.0	7.6	*
Open Reduction of Hip Fracture	24	12.5	5.7	*	25.0	10.8	*	29.2	14.0	*
Prostatectomy	36	2.8	1.0	*	8.3	2.6	*	8.3	4.6	*
Cholecystectomy	48	6.3	1.5	*	6.3	2.7	*	6.3	3.7	*
Hysterectomy	7	0.0	1.5	*	0.0	3.4	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EYE AND EAR HOSPITAL OF PITTSBURGH

230 Lothrop St
Pittsburgh, PA 15213

Medicare Provider Number: 390143

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	811	0.9	1.7	0.7	2.6	3.5	0.8	4.3	5.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	15.2	*	100.0	23.9	*	100.0	31.4	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	3	0.0	5.4	*	33.3	9.4	*	66.7	13.4	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	50
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	169
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	27
Registered Nurses	113
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EYE AND EAR HOSPITAL OF PITTSBURGH

Medicare Provider Number: 390143

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	887	1.2	1.8	0.6	2.4	3.7	0.9	5.2	5.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	1	100.0	22.3	*	100.0	26.9	*	100.0	31.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	914	0.8	2.1	0.6	2.1	4.2	0.9	3.3	6.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICARE PROVIDER NUMBERS: 390143

The following are the brief comments of Montefiore Hospital (Montefiore) and Eye & Ear Hospital (Eye & Ear) of Pittsburgh, Pennsylvania, concerning the mortality rates prepared by HCFA for Medicare patients in 1989. Eye & Ear Hospital merged with Montefiore in 1990, and the two are now one nonprofit, tertiary, acute care facility -- Montefiore University Hospital -- with 600 licensed beds. As part of the University of Pittsburgh Medical Center -- the region's only academic medical center -- the hospital serves as a regional and national referral center and the region's leading medical education and research center.

Montefiore and Eye & Ear, while reassured by their own low mortality rates, believe that these numbers do not represent the sole or most important measure of the quality of care provided by their medical and hospital staffs. Because of the sophisticated services offered in the academic medical center and the corresponding referral of gravely ill patients, studying mortality by looking only at numbers is misleading. Reviewing mortality statistics is but one small portion of the hospital's ongoing efforts in measuring and enhancing the quality of care provided.

CARE REVIEW AND QUALITY OF CARE

Mortality rates cannot and should not be used to judge the quality of care provided by a hospital. At best, mortality rates provide one indicator for Montefiore and Eye & Ear to use in

their ongoing process of quality review and improvement. Medical staff departments of the hospitals conduct an ongoing, systematic monitoring and evaluation program, through which medical records for all patient deaths are reviewed, and clinical findings are discussed and analyzed.

METHODOLOGY

We applaud HCFA's recent efforts in refining its methodology to incorporate the concerns and comments hospitals expressed about the previous years' mortality reports. HCFA has moved closer to providing hospitals with data that are more sensitive to the multiple factors involved in assessing the "risk" of death and the use of prediction intervals. In fact, when HCFA applied these revisions to both Montefiore's and Eye & Ear's 1987 and 1988 data, the hospitals' mortality statistics fell well within the "predicted range" for those diagnostic categories that were possible to "predict." Even using the updated methodology, however, the predicted mortality figures and standard deviation ranges continue to be very broad. These broad ranges illustrate the fact that hospitals cannot rely upon mortality-rate calculations as a single quality assessment tool because such figures are unlikely to accurately identify potential problems.

CONCLUSION

Montefiore University Hospital and the University of Pittsburgh Medical Center welcome efforts to make the HCFA mortality data more meaningful and look forward to further methodology

FORBES METROPOLITAN HEALTH CENTER

225 Penn Ave
Pittsburgh, PA 15221

Medicare Provider Number: 390172

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,661	7.9	9.0	0.9	13.1	14.0	1.0	16.8	18.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	29.8	28.9	*	34.0	32.1	*	36.2	35.5	*
Congestive Heart Failure	123	17.9	17.1	3.5	26.0	26.2	4.0	32.5	33.4	4.8
Pneumonia/Influenza	75	16.0	17.9	4.5	30.7	24.4	5.6	37.3	29.2	6.6
Chronic Obstructive Pulmonary Disease	32	12.5	7.9	*	21.9	13.9	*	28.1	19.2	*
Transient Cerebral Ischemia	44	2.3	2.2	*	4.5	5.0	*	9.1	8.0	*
Stroke	63	20.6	22.5	5.4	23.8	29.9	6.9	25.4	34.6	8.4
Hip Fracture	31	12.9	8.9	*	35.5	15.5	*	45.2	19.6	*
Sepsis	27	25.9	30.5	*	29.6	39.7	*	33.3	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	5.5	*	0.0	8.6	*	0.0	11.7	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	8	12.5	3.4	*	12.5	6.5	*	25.0	8.7	*
Open Reduction of Hip Fracture	17	5.9	8.7	*	41.2	15.8	*	58.8	20.1	*
Prostatectomy	45	0.0	1.2	*	2.2	3.0	*	4.4	5.1	*
Cholecystectomy	24	4.2	6.3	*	16.7	10.5	*	16.7	13.2	*
Hysterectomy	2	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 188
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 270
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 0
Registered Nurses 121
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FORBES METROPOLITAN HEALTH CENTER

Medicare Provider Number: 390172

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,798	8.3	9.5	0.8	12.9	14.5	1.0	15.8	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	54	25.9	28.7	6.8	27.8	32.0	7.3	31.5	35.6	7.5
Congestive Heart Failure	96	9.4	18.3	5.1	17.7	27.9	6.4	20.8	35.3	7.2
Pneumonia/Influenza	90	20.0	21.1	5.0	26.7	28.3	5.5	28.9	33.5	6.0
Chronic Obstructive Pulmonary Disease	52	3.8	9.3	6.5	11.5	15.0	8.5	11.5	19.9	10.7
Transient Cerebral Ischemia	59	1.7	2.4	2.3	1.7	5.3	4.2	8.5	8.1	3.6
Stroke	64	17.2	22.1	8.0	25.0	28.9	7.7	26.6	33.5	7.9
Hip Fracture	38	0.0	6.6	*	10.5	11.7	*	13.2	14.9	*
Sepsis	20	55.0	34.8	*	65.0	42.6	*	65.0	48.8	*
PROCEDURES:										
Angioplasty	1	0.0	1.5	*	0.0	3.1	*	0.0	4.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	12.8	*	0.0	20.8	*	0.0	26.5	*
Carotid Endarterectomy	2	0.0	1.9	*	0.0	3.8	*	0.0	5.4	*
Hip Replacement/Reconstruction	17	5.9	6.8	*	11.8	13.6	*	17.6	18.2	*
Open Reduction of Hip Fracture	21	0.0	5.9	*	9.5	10.9	*	9.5	14.2	*
Prostatectomy	65	1.5	1.0	1.7	1.5	2.5	2.4	1.5	4.2	3.4
Cholecystectomy	35	2.9	3.8	*	8.6	7.0	*	14.3	9.1	*
Hysterectomy	3	0.0	0.6	*	33.3	1.3	*	33.3	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,768	9.5	9.9	1.3	14.3	15.0	1.2	18.6	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	44	40.9	32.7	*	43.2	36.0	*	47.7	39.4	*
Congestive Heart Failure	101	13.9	18.0	5.8	23.8	26.7	5.7	29.7	33.9	7.7
Pneumonia/Influenza	61	16.4	19.3	5.6	29.5	26.0	6.4	31.1	31.3	7.3
Chronic Obstructive Pulmonary Disease	53	13.2	14.1	5.2	22.6	22.5	6.1	32.1	28.4	8.1
Transient Cerebral Ischemia	56	3.6	2.4	2.4	10.7	5.3	5.2	12.5	8.3	6.2
Stroke	68	26.5	22.5	6.1	27.9	30.0	5.8	35.3	34.8	6.2
Hip Fracture	42	4.8	9.3	*	4.8	16.7	*	7.1	21.3	*
Sepsis	19	36.8	29.9	*	36.8	38.2	*	52.6	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	5.0	*	7.1	9.9	*	7.1	14.3	*
Carotid Endarterectomy	4	25.0	1.9	*	25.0	3.4	*	25.0	5.0	*
Hip Replacement/Reconstruction	25	0.0	6.7	*	0.0	13.4	*	4.0	18.4	*
Open Reduction of Hip Fracture	16	6.3	7.8	*	6.3	14.7	*	6.3	19.1	*
Prostatectomy	53	1.9	1.6	1.8	3.8	3.8	2.6	5.7	6.3	3.6
Cholecystectomy	35	2.9	3.2	*	5.7	5.6	*	5.7	7.4	*
Hysterectomy	5	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

123.1

FORBES HEALTH SYSTEM
Medical Services Office • 2570 Haymaker Road • Monroeville, Pennsylvania 15146 • 412/858-2435

January 8, 1991

Medicare Provider Number 390172

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I am writing to comment on behalf of Forbes Health System regarding the Medicare Hospital Mortality Information scheduled to be published by HCFA in the Spring of 1991.

Mortality Data Comments

Forbes Health System mortality data exhibits an overall mortality rate which is less than the average expected rate for both Health Centers for all three years within the HCFA study period. An analysis of mortality rates by diagnostic category, within 30 days of admission, reveals that Forbes Health System's observed rates are all within HCFA's predicted mortality range.

Note: Based on the HCFA model, an "observed rate" would be greater than the predicted range, if the observed rate is greater than the predicted rate plus two standard deviations. Statistical evaluation of diagnostic categories with small numbers of patients or patient deaths is not possible. Since one cannot calculate a standard deviation, there is no measure of the certainty or uncertainty of the predicted rate.

Forbes Health System recognizes the limitations of mortality data and the HCFA model. The Health System's internal quality assessment and improvement process looks beyond statistical data to find ways to improve care and to improve beyond the expected.

An analysis of mortality of patients within 90 or 180 days from hospital admission is more difficult to perform and less meaningful to hospitals. Most of these patients were discharged from the hospital and many other variables have an impact, such as access to home care, quality of nursing home care, chance accidents, etc. However, Forbes Health System will refer to this data in its efforts to assess and, where possible, improve the quality of post-discharge care received by its community of patients.

Hospital Characteristics Comments

- Forbes Metropolitan Health Center and Forbes Regional Health Center offer hospice services in the home and inpatient setting through the Forbes Hospice, an integral component of Forbes Health System.

- HCFA apparently does not recognize a mixed ICU/CCU when listing "cardiac intensive care." It would seem appropriate to list both for accurate portrayal of our services.

If you have any questions pertaining to the contents of this letter, please feel free to contact me at 412-858-2434.

Sincerely,

Richard N. McGarvey

Richard N. McGarvey, M.D.
Executive Vice President & Medical Director

RNM/ce

FORBES REGIONAL HEALTH CENTER

2570 Haymaker Rd
Monroeville, PA 15146

Medicare Provider Number: 390267

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,230	8.3	9.3	0.7	13.4	14.3	0.8	17.2	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	85	23.5	26.6	5.4	28.2	30.1	5.3	30.6	33.4	5.9
Congestive Heart Failure	175	12.6	16.1	5.1	21.7	24.9	7.6	28.0	32.0	7.3
Pneumonia/Influenza	133	18.0	18.4	3.4	26.3	24.9	4.7	30.8	30.0	4.6
Chronic Obstructive Pulmonary Disease	67	6.0	9.5	4.6	13.4	16.3	4.9	22.4	22.1	5.1
Transient Cerebral Ischemia	89	0.0	2.1	2.6	1.1	4.7	4.3	5.6	7.6	3.5
Stroke	124	19.4	23.3	4.7	25.0	29.6	5.0	27.4	34.0	5.9
Hip Fracture	70	11.4	7.1	5.4	18.6	12.4	8.5	22.9	15.9	9.2
Sepsis	39	20.5	26.1	*	35.9	35.2	*	38.5	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	3.3	*	6.3	6.7	*	12.5	10.0	*
Carotid Endarterectomy	16	6.3	1.7	*	6.3	3.2	*	6.3	4.6	*
Hip Replacement/Reconstruction	40	7.5	4.2	*	12.5	8.0	*	15.0	10.8	*
Open Reduction of Hip Fracture	46	13.0	6.2	*	19.6	11.7	*	26.1	15.4	*
Prostatectomy	120	0.8	0.9	1.6	3.3	2.3	2.3	5.0	3.9	3.0
Cholecystectomy	62	0.0	2.8	3.2	1.6	4.7	4.2	1.6	6.0	4.8
Hysterectomy	16	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 353
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 270
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 18
Registered Nurses 353
Licensed Practical Nurses 16

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FORBES REGIONAL HEALTH CENTER

Medicare Provider Number: 390267

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,074	8.9	9.5	0.8	13.0	14.4	0.8	16.2	18.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	88	30.7	31.8	5.3	37.5	35.4	5.4	39.8	39.0	5.3
Congestive Heart Failure	159	12.6	17.0	3.8	18.9	26.1	5.3	27.0	33.3	5.1
Pneumonia/Influenza	125	17.6	16.1	3.9	20.8	21.7	3.8	24.0	26.2	4.3
Chronic Obstructive Pulmonary Disease	72	8.3	10.8	5.3	12.5	17.5	7.8	15.3	23.0	8.2
Transient Cerebral Ischemia	99	3.0	1.7	1.8	3.0	3.8	2.2	4.0	5.9	3.6
Stroke	112	21.4	21.5	4.2	25.9	27.8	5.0	30.4	32.5	5.0
Hip Fracture	60	10.0	8.0	3.9	15.0	14.2	4.6	15.0	17.9	5.9
Sepsis	36	33.3	29.5	*	38.9	37.5	*	38.9	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	7.8	*	9.1	11.9	*	9.1	15.6	*
Carotid Endarterectomy	16	0.0	1.6	*	0.0	3.1	*	6.3	4.6	*
Hip Replacement/Reconstruction	42	7.1	5.8	*	14.3	10.9	*	14.3	14.1	*
Open Reduction of Hip Fracture	29	10.3	6.8	*	13.8	12.4	*	13.8	15.9	*
Prostatectomy	99	2.0	1.0	1.5	3.0	2.3	1.7	4.0	3.9	1.9
Cholecystectomy	63	4.8	3.1	3.6	6.3	5.7	4.9	11.1	7.5	5.0
Hysterectomy	16	0.0	0.8	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,927	7.7	9.8	0.6	11.9	14.7	0.7	15.2	18.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	89	28.1	31.5	8.1	30.3	35.1	8.7	33.7	38.9	8.8
Congestive Heart Failure	160	8.7	18.7	4.1	16.9	28.0	4.9	21.9	35.3	5.4
Pneumonia/Influenza	90	10.0	17.8	6.2	14.4	23.6	6.7	20.0	28.4	6.2
Chronic Obstructive Pulmonary Disease	83	13.3	13.7	4.2	20.5	21.5	6.4	22.9	27.1	8.0
Transient Cerebral Ischemia	76	2.6	1.9	1.7	5.3	4.0	2.6	10.5	6.3	4.7
Stroke	120	22.5	25.7	7.6	28.3	32.1	8.0	31.7	36.8	9.1
Hip Fracture	47	10.6	6.7	*	17.0	12.1	*	17.0	15.6	*
Sepsis	31	25.8	32.0	*	29.0	41.2	*	35.5	47.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	5.1	*	15.0	9.2	*	25.0	12.5	*
Carotid Endarterectomy	22	0.0	1.9	*	0.0	3.8	*	0.0	5.6	*
Hip Replacement/Reconstruction	21	9.5	4.6	*	19.0	8.8	*	19.0	11.6	*
Open Reduction of Hip Fracture	23	8.7	6.5	*	8.7	12.0	*	8.7	15.6	*
Prostatectomy	95	0.0	1.6	1.7	2.1	3.7	2.5	3.2	5.7	3.4
Cholecystectomy	67	4.5	2.5	2.8	4.5	4.2	2.7	6.0	5.4	2.9
Hysterectomy	9	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FORBES HEALTH SYSTEM
Medical Services Office • 2570 Haymaker Road • Monroeville, Pennsylvania 15146 • 412/858-2435

January 8, 1991 Medicare Provider Number 390267

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I am writing to comment on behalf of Forbes Health System regarding the Medicare Hospital Mortality Information scheduled to be published by HCFA in the Spring of 1991.

Mortality Data Comments

Forbes Health System mortality data exhibits an overall mortality rate which is less than the average expected rate for both Health Centers for all three years within the HCFA study period. An analysis of mortality rates by diagnostic category, within 30 days of admission, reveals that Forbes Health System's observed rates are all within HCFA's predicted mortality range.

Note: Based on the HCFA model, an "observed rate" would be greater than the predicted range, if the observed rate is greater than the predicted rate plus two standard deviations. Statistical evaluation of diagnostic categories with small numbers of patients or patient deaths is not possible. Since one cannot calculate a standard deviation, there is no measure of the certainty or uncertainty of the predicted rate.

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An analysis of mortality of patients within 90 or 180 days from hospital admission is more difficult to perform and less meaningful to hospitals. Most of these patients were discharged from the hospital and many other variables have an impact, such as access to home care, quality of nursing home care, chance accidents, etc. However, Forbes Health System will refer to this data in its efforts to assess and, where possible, improve the quality of post-discharge care received by its community of patients.

Hospital Characteristics Comments

- Forbes Metropolitan Health Center and Forbes Regional Health Center offer hospice services in the home and inpatient setting through the Forbes Hospice, an integral component of Forbes Health System.

- HCFA apparently does not recognize a mixed ICU/CCU when listing "cardiac intensive care." It would seem appropriate to list both for accurate portrayal of our services.

If you have any questions pertaining to the contents of this letter, please feel free to contact me at 412-858-2434.

Sincerely,

Richard N. McGarvey

Richard N. McGarvey, M.D.
Executive Vice President & Medical Director

RNM/ce

FRANKFORD HOSPITAL

Red Lion Knights Rds
Philadelphia, PA 19114

Medicare Provider Number: 390115

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,440	8.3	9.4	0.6	13.7	14.2	0.6	18.0	17.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	159	18.2	22.0	4.8	21.4	25.3	5.0	25.2	28.5	4.6
Congestive Heart Failure	186	11.8	14.6	4.9	21.0	22.6	4.2	28.5	29.3	3.4
Pneumonia/Influenza	150	15.3	16.2	3.5	21.3	21.8	3.4	28.7	26.4	4.3
Chronic Obstructive Pulmonary Disease	60	5.0	7.9	4.9	15.0	13.9	5.6	21.7	19.0	5.9
Transient Cerebral Ischemia	78	2.6	1.9	1.6	6.4	4.3	2.9	10.3	7.0	4.8
Stroke	154	12.3	19.2	4.0	23.4	26.0	3.7	30.5	30.3	3.9
Hip Fracture	84	7.1	7.0	2.8	11.9	12.3	3.9	14.3	15.8	4.3
Sepsis	40	32.5	29.7	*	45.0	37.4	*	45.0	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.4	*	22.2	9.5	*	44.4	13.2	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	41	2.4	4.4	*	2.4	8.3	*	9.8	11.0	*
Open Reduction of Hip Fracture	44	9.1	6.7	*	13.6	12.3	*	13.6	15.9	*
Prostatectomy	128	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*
Cholecystectomy	58	0.0	2.6	*	0.0	4.3	*	0.0	5.5	*
Hysterectomy	24	0.0	1.3	*	8.3	2.4	*	8.3	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 368
Occupancy Rate 83
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 409
Percent of Physicians Board Certified Specialists 57
Medical Residents/Interns 22
Registered Nurses 454
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

FRANKFORD HOSPITAL

Medicare Provider Number: 390115

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,463	9.1	10.2	0.6	14.8	15.2	0.7	18.9	19.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	151	18.5	27.4	4.9	24.5	31.6	4.6	28.5	35.5	4.7
Congestive Heart Failure	167	10.8	15.8	4.8	18.6	24.1	5.4	26.3	30.8	5.0
Pneumonia/Influenza	149	11.4	18.0	4.5	22.8	24.2	3.6	28.2	29.0	4.0
Chronic Obstructive Pulmonary Disease	49	4.1	7.8	*	12.2	13.7	*	12.2	18.9	*
Transient Cerebral Ischemia	93	4.3	2.2	2.1	6.5	4.9	2.5	7.5	7.7	2.8
Stroke	160	21.9	20.3	3.7	26.2	26.7	3.8	31.3	31.2	4.1
Hip Fracture	90	7.8	6.9	3.0	11.1	12.3	3.9	14.4	15.7	4.0
Sepsis	46	23.9	29.4	*	37.0	38.4	*	39.1	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	8.1	*	10.0	11.0	*	10.0	13.8	*
Carotid Endarterectomy	10	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	51	5.9	4.1	3.2	5.9	8.0	4.3	11.8	10.5	4.7
Open Reduction of Hip Fracture	55	5.5	6.0	3.4	10.9	11.0	5.0	10.9	14.2	5.5
Prostatectomy	123	1.6	1.1	1.1	3.3	2.5	2.0	5.7	4.1	3.2
Cholecystectomy	52	0.0	2.1	2.9	0.0	3.4	4.2	1.9	4.3	3.6
Hysterectomy	17	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,283	8.7	10.1	0.7	14.3	15.0	0.7	17.8	18.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	164	21.3	26.8	4.2	25.0	30.2	4.1	29.3	33.6	4.0
Congestive Heart Failure	175	12.6	17.5	4.7	22.3	26.2	4.8	28.0	33.3	5.1
Pneumonia/Influenza	148	20.9	18.0	4.0	27.7	24.0	5.8	33.8	29.0	7.6
Chronic Obstructive Pulmonary Disease	44	9.1	11.5	*	15.9	18.2	*	18.2	23.4	*
Transient Cerebral Ischemia	73	2.7	1.9	1.8	4.1	4.2	2.4	5.5	6.6	3.3
Stroke	154	19.5	23.0	5.7	27.3	29.8	4.5	31.8	34.3	4.8
Hip Fracture	91	5.5	7.0	3.0	11.0	12.7	4.4	13.2	16.4	6.1
Sepsis	23	21.7	31.8	*	47.8	39.7	*	60.9	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.4	*	13.3	8.3	*	13.3	11.6	*
Carotid Endarterectomy	11	0.0	2.0	*	0.0	4.1	*	0.0	6.0	*
Hip Replacement/Reconstruction	56	7.1	4.1	5.1	12.5	7.9	6.3	12.5	10.5	6.4
Open Reduction of Hip Fracture	49	2.0	6.6	*	8.2	12.4	*	12.2	16.2	*
Prostatectomy	127	3.1	1.0	1.7	4.7	2.5	2.1	6.3	4.2	2.3
Cholecystectomy	57	0.0	3.0	2.9	1.8	4.8	3.7	5.3	5.8	4.9
Hysterectomy	10	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRANKFORD HOSPITAL
Philadelphia, PA
Provider No.: 390115
January 10, 1991

HCFA MORTALITY RATES

The medical and administrative staffs of Frankford Hospital have reviewed and analyzed the latest HCFA mortality data release for our institution. We support HCFA's continued efforts to refine its methodology and to educate the public in the use of this information. We agree that a public educated about the cost and quality of health care can begin to make an informed decision when choosing a health care provider. However, it is very important that the public understands the uses and the limitations of the mortality data as a single, isolated indicator of quality.

One ongoing issue has been HCFA's source of this mortality information, namely, hospital billing data which is better suited for processing of health insurance claims than for assessing the quality of care provided. HCFA does not currently have access to the detailed clinical information which describes a patient's general status at admission, activity level, stage of disease, and prognosis. Billing information is administrative rather than clinical in orientation, and is limited in its usefulness for assessing quality of care.

To simplify the presentation of the mortality data, this year HCFA has made changes in format. Most notable is the omission of a range of values to show expected mortality rates which are calculated on the probability or risk of patient death according to such factors as age, type of admission (emergency or elective), presence of other diseases such as chronic illnesses existing at the time of admission, source of admission (from home or other type of healthcare facility), and prior hospitalizations. Unfortunately, this change in format may mislead and confuse the reader, having the opposite effect of that intended by HCFA. For example, if the observed death rate for a certain diagnosis or surgical procedure is slightly higher than the HCFA predicted rate, the healthcare consumer may feel that this is an indication of poor quality of care. This misinterpretation may cause the consumer to make ill-advised choices or form ill-founded opinions, when, in fact, the noted difference between the observed and the predicted rates may have no statistical significance.

Another concern regarding the HCFA mortality data is the categorization of patients into eight medical conditions based on principal diagnosis. Our own data over the past several years have repeatedly demonstrated that a patient's principal diagnosis (that which caused the admission) was frequently unrelated to the actual cause of death. For example, some Frankford Hospital patients classified in the "pneumonia/influenza" category were admitted with signs and symptoms of respiratory infection or flu, such as fever, chills, and cough. What will not be evident to the public, given the present format, is that these patients also suffered from other conditions such as severe chronic obstructive lung disease or lung cancer. Although these patients died during the hospital stay, the

HCFA Mortality Rates continued...

general public will not know, after reviewing these mortality rates, that every death in the pneumonia/influenza category at Frankford Hospital was caused by an underlying or co-existing disease process (cancer or chronic lung disease) and not by the flu or pneumonia which required hospital care.

HCFA further categorized the data into nine surgical procedures with mortality rates at 30, 90, and 180 days after admission. The number of cases reviewed in the study is very small in most high-risk surgical categories, such as the insertion of a heart pacemaker. Therefore, it is impossible to draw valid conclusions about any demonstrated differences between the observed mortality rates and the HCFA-predicted mortality rates. These surgical mortality rates, which are lacking in statistical significance, may be misinterpreted, affecting a patient's choice of provider. Again, misinterpretation of the data could lead a patient to make ill-advised choices among providers, with the potential to disrupt established links to family and community support which are crucial contributors to the overall quality of care.

Frankford Hospital has a comprehensive, hospital-wide quality assessment program which routinely monitors many important indicators of patient care, including mortality. Because we generally do not have access to information regarding patient deaths following discharge, our internal mortality review does not include it. However, HCFA data includes all deaths within 180 days of admission (6 months post admission), even if the patient had already gone home, to a nursing home, or even to another hospital after discharge. This inclusion of patients who die after discharge does not take into account the larger medical and social picture. A patient's personal situation, including living arrangements, family support, economic condition, and compliance with prescribed medications, diets, and therapies, can affect his/her health and ability to survive. While these and other factors related to a patient's preadmission and post-discharge circumstances obviously affect the mortality statistics, they are beyond our direct control.

Finally, the HCFA data do not reflect that some patients with chronic or severe conditions instructed the hospital and their physicians to take no extraordinary treatment measures. Exercising the right to die with dignity is not considered in these statistics. However, in our review, this decision affected the Frankford Hospital mortality rates.

Again, we must state our concerns regarding the public's need to understand that mortality rates alone are insufficient evidence for drawing conclusions about the quality or appropriateness of patient care. Mortality rates can do no more than identify potential areas for further review. It is anticipated that HCFA will continue to publish annually the mortality rates. As such, we recommend an increase and enhancement in the clinical details of the study, with special focus on the concerns raised above. In its ongoing efforts to assure quality of medical care, Frankford Hospital will continue to perform its own thorough monitoring of care and services on a comprehensive basis.

FRANKLIN REGIONAL MEDICAL CENTER

1 Spruce St
Franklin, PA 16323

Medicare Provider Number: 390091

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,881	5.8	9.3	0.7	10.4	14.3	0.9	13.6	18.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	49	24.5	29.0	*	28.6	32.0	*	32.7	35.4	*
Congestive Heart Failure	89	10.1	15.6	7.8	18.0	24.1	8.8	25.8	31.0	9.0
Pneumonia/Influenza	92	12.0	17.2	6.2	16.3	23.4	6.7	19.6	28.2	7.6
Chronic Obstructive Pulmonary Disease	14	14.3	7.2	*	14.3	12.4	*	14.3	16.8	*
Transient Cerebral Ischemia	30	0.0	1.7	*	3.3	3.6	*	6.7	5.7	*
Stroke	65	16.9	22.8	8.3	21.5	29.4	8.5	24.6	34.2	9.9
Hip Fracture	35	8.6	8.1	*	11.4	14.2	*	11.4	18.0	*
Sepsis	19	21.1	33.3	*	31.6	43.5	*	36.8	51.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.0	*	0.0	5.0	*	0.0	8.8	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	23	4.3	4.7	*	8.7	9.5	*	8.7	13.0	*
Open Reduction of Hip Fracture	22	0.0	6.6	*	4.5	12.0	*	4.5	15.5	*
Prostatectomy	69	0.0	1.5	1.9	1.4	3.0	2.3	1.4	4.7	3.3
Cholecystectomy	33	3.0	3.1	*	3.0	5.3	*	6.1	6.7	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 214
Occupancy Rate 66
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 55
Percent of Physicians Board Certified Specialists 85
Medical Residents/Interns 0
Registered Nurses 205
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FRANKLIN REGIONAL MEDICAL CENTER

Medicare Provider Number: 390091

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,926	7.1	9.4	0.9	12.4	14.4	1.1	16.1	18.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	21.3	31.7	*	21.3	35.3	*	21.3	39.1	*
Congestive Heart Failure	112	10.7	17.4	4.5	20.5	26.3	4.7	35.7	33.3	4.7
Pneumonia/Influenza	90	17.8	19.1	4.4	25.6	26.0	5.0	31.1	31.3	5.3
Chronic Obstructive Pulmonary Disease	13	15.4	8.2	*	15.4	14.0	*	23.1	19.1	*
Transient Cerebral Ischemia	28	0.0	2.2	*	7.1	4.9	*	7.1	7.7	*
Stroke	57	17.5	21.7	6.0	26.3	28.1	7.2	29.8	32.8	6.4
Hip Fracture	34	11.8	7.1	*	26.5	12.8	*	26.5	16.2	*
Sepsis	25	36.0	31.3	*	52.0	40.6	*	56.0	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	12.4	*	16.7	16.9	*	16.7	21.0	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	23	8.7	4.0	*	8.7	7.3	*	13.0	9.3	*
Open Reduction of Hip Fracture	19	10.5	5.9	*	26.3	11.0	*	26.3	14.3	*
Prostatectomy	70	1.4	1.2	1.4	2.9	2.9	2.1	4.3	4.8	2.7
Cholecystectomy	34	0.0	4.0	*	0.0	6.8	*	0.0	8.7	*
Hysterectomy	18	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,005	7.4	9.3	0.9	12.4	14.6	1.1	16.1	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	43	27.9	28.5	*	37.2	32.0	*	39.5	35.8	*
Congestive Heart Failure	108	16.7	17.0	4.5	25.0	26.4	5.5	31.5	34.1	7.9
Pneumonia/Influenza	85	15.3	18.2	4.6	23.5	24.9	4.8	31.8	30.2	5.3
Chronic Obstructive Pulmonary Disease	36	11.1	9.9	*	19.4	17.2	*	22.2	22.7	*
Transient Cerebral Ischemia	31	3.2	2.3	*	3.2	5.2	*	3.2	8.1	*
Stroke	79	13.9	22.6	6.2	22.8	29.9	7.8	24.1	35.2	8.0
Hip Fracture	24	4.2	6.8	*	8.3	12.6	*	12.5	16.6	*
Sepsis	21	19.0	32.1	*	52.4	44.3	*	52.4	53.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	3.7	*	25.0	8.3	*	25.0	12.5	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	35	2.9	2.8	*	5.7	5.7	*	8.6	8.0	*
Open Reduction of Hip Fracture	12	0.0	5.5	*	0.0	9.9	*	0.0	12.8	*
Prostatectomy	79	0.0	1.2	1.9	2.5	2.6	2.6	6.3	4.1	3.2
Cholecystectomy	43	0.0	3.0	*	2.3	5.3	*	4.7	6.9	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRICK COMMUNITY HEALTH CENTER

508 South Church St
Mount Pleasant, PA 15666

Medicare Provider Number: 390217

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,741	9.0	10.6	1.0	13.3	15.7	1.2	17.7	19.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	60	15.0	26.8	7.0	20.0	30.4	7.2	30.0	34.0	6.3
Congestive Heart Failure	156	14.7	15.7	3.3	19.2	24.3	5.1	27.6	31.2	5.0
Pneumonia/Influenza	72	20.8	17.1	6.7	25.0	23.4	6.1	26.4	28.0	5.5
Chronic Obstructive Pulmonary Disease	31	22.6	8.5	*	22.6	15.7	*	25.8	21.8	*
Transient Cerebral Ischemia	30	0.0	2.0	*	6.7	4.5	*	10.0	7.2	*
Stroke	69	21.7	21.4	5.4	24.6	29.6	8.1	29.0	34.5	10.1
Hip Fracture	33	6.1	6.5	*	9.1	11.7	*	9.1	15.2	*
Sepsis	26	15.4	30.4	*	19.2	38.1	*	23.1	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.7	*	0.0	5.6	*	0.0	8.6	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.9	*	25.0	2.9	*
Hip Replacement/Reconstruction	9	11.1	5.4	*	11.1	10.4	*	11.1	13.7	*
Open Reduction of Hip Fracture	23	4.3	5.4	*	8.7	10.1	*	8.7	13.3	*
Prostatectomy	54	0.0	2.1	2.7	0.0	5.1	5.4	3.7	8.3	5.3
Cholecystectomy	45	2.2	4.3	*	8.9	8.2	*	8.9	10.9	*
Hysterectomy	8	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 171
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 91
Percent of Physicians Board Certified Specialists 57
Medical Residents/Interns 0
Registered Nurses 131
Licensed Practical Nurses 39

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FRICK COMMUNITY HEALTH CENTER

Medicare Provider Number: 390217

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,731	7.6	9.9	0.8	11.6	14.8	0.9	15.0	18.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	55	30.9	29.3	7.1	32.7	32.3	7.0	34.5	35.7	6.6
Congestive Heart Failure	130	8.5	16.6	4.5	13.1	25.2	5.7	20.8	32.2	5.8
Pneumonia/Influenza	51	5.9	18.7	7.1	7.8	24.7	8.3	13.7	29.1	8.5
Chronic Obstructive Pulmonary Disease	36	13.9	9.4	*	27.8	16.4	*	36.1	22.4	*
Transient Cerebral Ischemia	57	0.0	2.5	2.9	1.8	5.5	5.0	3.5	8.6	7.2
Stroke	77	18.2	20.5	5.6	24.7	27.5	6.4	27.3	32.1	8.3
Hip Fracture	29	3.4	7.0	*	3.4	12.9	*	6.9	17.0	*
Sepsis	17	17.6	33.1	*	23.5	40.4	*	29.4	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.4	*	0.0	6.7	*	0.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.3	*	0.0	6.5	*	0.0	8.7	*
Open Reduction of Hip Fracture	15	6.7	6.9	*	6.7	13.3	*	13.3	17.9	*
Prostatectomy	59	1.7	1.4	3.0	6.8	3.4	3.9	8.5	5.4	4.8
Cholecystectomy	35	8.6	4.1	*	14.3	7.4	*	17.1	9.5	*
Hysterectomy	18	0.0	0.9	*	5.6	2.0	*	5.6	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,696	8.1	9.4	0.8	12.1	14.3	1.1	15.1	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	55	29.1	26.6	6.8	32.7	29.9	6.5	32.7	33.2	6.6
Congestive Heart Failure	134	15.7	17.6	3.8	26.1	26.4	3.8	30.6	33.4	5.1
Pneumonia/Influenza	55	5.5	19.1	6.9	5.5	26.0	8.6	12.7	31.0	8.6
Chronic Obstructive Pulmonary Disease	36	2.8	8.3	*	11.1	14.5	*	13.9	19.6	*
Transient Cerebral Ischemia	53	0.0	2.1	2.5	0.0	4.5	4.2	1.9	7.2	4.8
Stroke	47	25.5	21.2	*	34.0	28.4	*	38.3	33.2	*
Hip Fracture	22	0.0	5.8	*	0.0	10.4	*	0.0	13.6	*
Sepsis	8	12.5	31.5	*	12.5	37.6	*	25.0	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	6.8	*	6.7	13.1	*	6.7	18.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
Open Reduction of Hip Fracture	16	0.0	5.2	*	0.0	9.6	*	0.0	12.7	*
Prostatectomy	66	1.5	1.6	1.9	4.5	3.8	2.6	6.1	6.1	3.0
Cholecystectomy	41	4.9	2.3	*	7.3	3.6	*	7.3	4.7	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

131.1

Frick Community Health Center

SOUTH CHURCH STREET / MOUNT PLEASANT, PA 15666 / PHONE 412-547-1500

M E M O

Date: January 14, 1991

To: Health Care Financing Administration
Health Standards and Quality Assurance
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

From: Rodney L. Gunderson
Executive Director

Re: MEDICARE HOSPITAL MORTALITY RATES

MEDICARE PROVIDER NUMBER: 390217

The following comments are submitted regarding Frick Community Health Center's 1989-1988 and 1987 Mortality Rates:

- Mortality Data, in the absence of individual case peer review, should not be construed as an indicator of the quality of care provided. However, analysis of such data can identify areas needing peer review analysis.

- There were three categories (Acute Myocardical Infarction; Pneumonia/Influenza and Prostatectomy) over the three year trend in which the Health Center's rate was above the predicted rate, and in which the Health Center had sufficient volume to calculate the significance of the difference between observed and predicted rates. In all instances, the difference when calculated fell within the 75% confidence level, which indicates the difference was not significant and more likely simply due to a chance occurrence.

- There were only two categories (Chronic Obstructive Pulmonary Disease and Cholecystectomy) over the three year trend in which the Health Center experienced higher than predicted rates where the case volume was too small to test for the significance of the difference. Peer Review will be done on this small number of cases to determine if any quality of care issues exist during and after the hospitalization period.

- Finally, it is noted that the methodology and format of the data is improved over the prior releases. However, publication of data in instances of fewer than 50 cases and comparing survivals for 90 and 180 days after discharge may inappropriately be interpreted by the public.

RLG/dmf

FULTON COUNTY MEDICAL CENTER

216 S 1st St
McConnellsburg, PA 17233

Medicare Provider Number: 390209

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	257	11.7	10.8	2.6	19.1	15.8	3.2	23.3	19.8	4.3
CONDITIONS:										
Acute Myocardial Infarction	10	50.0	23.8	*	60.0	26.9	*	60.0	30.2	*
Congestive Heart Failure	20	25.0	14.1	*	40.0	22.5	*	45.0	29.5	*
Pneumonia/Influenza	22	18.2	15.1	*	31.8	20.7	*	36.4	25.3	*
Chronic Obstructive Pulmonary Disease	8	0.0	5.3	*	12.5	11.1	*	12.5	16.2	*
Transient Cerebral Ischemia	6	0.0	2.6	*	0.0	6.1	*	16.7	10.0	*
Stroke	7	14.3	27.1	*	28.6	36.0	*	28.6	41.0	*
Hip Fracture	0									
Sepsis	4	25.0	25.7	*	50.0	31.5	*	75.0	37.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	7	0.0	1.3	*	0.0	1.9	*	0.0	2.4	*
Hysterectomy	3	0.0	1.2	*	0.0	2.6	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 94
Occupancy Rate 73
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 16
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 0
Registered Nurses 21
Licensed Practical Nurses 17

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FULTON COUNTY MEDICAL CENTER

Medicare Provider Number: 390209

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	13.9	9.7	2.6	19.0	14.2	2.9	22.7	18.1	3.0
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	28.6	*	29.4	32.6	*	29.4	36.5	*
Congestive Heart Failure	27	14.8	14.3	*	29.6	21.1	*	37.0	27.1	*
Pneumonia/Influenza	22	31.8	14.4	*	31.8	19.8	*	40.9	24.2	*
Chronic Obstructive Pulmonary Disease	9	22.2	7.8	*	22.2	14.8	*	22.2	21.2	*
Transient Cerebral Ischemia	17	11.8	2.3	*	17.6	5.0	*	17.6	7.8	*
Stroke	8	37.5	18.5	*	37.5	23.8	*	37.5	28.0	*
Hip Fracture	2	50.0	5.1	*	50.0	9.7	*	50.0	12.8	*
Sepsis	6	16.7	22.7	*	16.7	29.3	*	16.7	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	8	12.5	2.4	*	12.5	4.4	*	12.5	6.5	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	309	8.7	9.1	2.3	14.2	13.6	2.1	16.2	17.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	27.4	*	18.8	30.8	*	18.8	34.0	*
Congestive Heart Failure	23	21.7	14.4	*	26.1	22.4	*	26.1	29.3	*
Pneumonia/Influenza	13	15.4	14.5	*	23.1	20.0	*	30.8	24.3	*
Chronic Obstructive Pulmonary Disease	6	16.7	9.7	*	50.0	17.8	*	50.0	25.7	*
Transient Cerebral Ischemia	22	4.5	2.4	*	18.2	5.4	*	18.2	8.7	*
Stroke	12	8.3	21.5	*	16.7	28.1	*	16.7	33.0	*
Hip Fracture	1	100.0	8.5	*	100.0	16.5	*	100.0	21.9	*
Sepsis	3	0.0	15.5	*	0.0	22.9	*	0.0	28.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	2.3	*	0.0	4.4	*	0.0	5.6	*
Hysterectomy	2	0.0	0.8	*	0.0	1.3	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GEISINGER MEDICAL CENTER

N Academy Ave
Danville, PA 17822

Medicare Provider Number: 390006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,937	8.0	9.4	0.6	11.6	14.3	0.6	14.5	18.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	121	28.1	26.4	4.2	31.4	29.8	4.5	33.1	33.1	4.4
Congestive Heart Failure	150	12.7	16.6	6.0	22.7	25.6	6.8	28.0	32.8	6.6
Pneumonia/Influenza	107	14.0	18.8	5.8	16.8	25.8	7.6	23.4	31.1	7.4
Chronic Obstructive Pulmonary Disease	46	4.3	9.2	*	13.0	15.9	*	21.7	21.5	*
Transient Cerebral Ischemia	34	2.9	1.7	*	2.9	3.8	*	5.9	6.0	*
Stroke	120	15.8	22.5	6.6	21.7	28.6	7.6	26.7	33.0	6.9
Hip Fracture	52	9.6	6.8	4.4	11.5	12.1	4.8	17.3	15.8	6.6
Sepsis	37	21.6	27.5	*	27.0	36.6	*	32.4	43.1	*
PROCEDURES:										
Angioplasty	17	5.9	3.4	*	5.9	4.3	*	5.9	5.5	*
Coronary Artery Bypass Graft	86	9.3	6.8	4.6	14.0	9.7	5.8	15.1	11.5	6.1
Initial Pacemaker Insertion	26	3.8	3.1	*	3.8	5.9	*	11.5	8.6	*
Carotid Endarterectomy	34	0.0	1.7	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	116	2.6	1.7	1.4	4.3	3.3	2.3	6.0	4.6	2.8
Open Reduction of Hip Fracture	22	4.5	6.3	*	4.5	11.6	*	9.1	15.3	*
Prostatectomy	101	0.0	0.9	1.3	1.0	2.3	1.8	2.0	3.8	2.5
Cholecystectomy	57	5.3	3.1	3.1	5.3	5.4	3.1	7.0	7.1	3.4
Hysterectomy	34	0.0	1.5	*	0.0	3.4	*	0.0	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 577
Occupancy Rate 74
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 260
Percent of Physicians Board Certified Specialists 92
Medical Residents/Interns 198
Registered Nurses 647
Licensed Practical Nurses 166

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

GEISINGER MEDICAL CENTER

Medicare Provider Number: 390006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,192	9.2	9.9	0.6	13.6	15.0	0.7	16.7	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	139	26.6	26.7	4.1	30.2	30.6	4.1	33.8	34.4	4.1
Congestive Heart Failure	156	12.2	16.9	5.0	24.4	25.5	4.2	30.8	32.6	4.2
Pneumonia/Influenza	80	22.5	20.0	6.1	27.5	27.1	5.6	31.3	32.3	5.3
Chronic Obstructive Pulmonary Disease	34	5.9	11.2	*	8.8	18.2	*	11.8	23.7	*
Transient Cerebral Ischemia	37	2.7	2.6	*	2.7	5.8	*	2.7	8.8	*
Stroke	131	19.8	26.1	4.9	24.4	32.5	6.1	27.5	37.1	5.9
Hip Fracture	54	3.7	7.6	6.5	7.4	13.6	8.0	14.8	17.5	6.2
Sepsis	41	36.6	29.9	*	43.9	39.2	*	48.8	45.8	*
PROCEDURES:										
Angioplasty	22	9.1	6.9	*	9.1	8.4	*	9.1	9.8	*
Coronary Artery Bypass Graft	94	6.4	6.9	2.7	8.5	9.5	3.4	11.7	11.1	3.3
Initial Pacemaker Insertion	36	2.8	3.4	*	5.6	6.7	*	11.1	9.8	*
Carotid Endarterectomy	41	2.4	1.5	*	2.4	2.7	*	2.4	3.9	*
Hip Replacement/Reconstruction	108	2.8	2.7	2.4	6.5	5.3	4.1	11.1	7.1	5.1
Open Reduction of Hip Fracture	25	4.0	6.0	*	8.0	11.1	*	12.0	14.5	*
Prostatectomy	100	1.0	0.7	0.9	1.0	1.8	1.5	1.0	2.9	2.3
Cholecystectomy	59	5.1	3.0	2.9	8.5	5.1	4.0	8.5	6.5	4.5
Hysterectomy	44	0.0	0.8	*	2.3	1.7	*	2.3	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,060	8.0	9.4	0.5	12.2	14.5	0.6	15.5	18.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	129	24.0	25.9	5.4	29.5	29.9	6.6	32.6	33.4	7.3
Congestive Heart Failure	122	8.2	17.3	5.0	18.0	26.1	4.9	27.9	33.4	4.7
Pneumonia/Influenza	64	6.3	17.0	7.2	10.9	22.8	8.4	15.6	27.2	8.3
Chronic Obstructive Pulmonary Disease	30	13.3	14.5	*	23.3	24.5	*	23.3	32.0	*
Transient Cerebral Ischemia	52	5.8	1.8	2.8	5.8	3.7	3.2	5.8	5.8	4.3
Stroke	134	18.7	22.1	5.4	22.4	28.2	7.3	27.6	32.5	6.9
Hip Fracture	54	3.7	9.0	5.2	9.3	16.1	7.1	13.0	20.7	8.6
Sepsis	48	16.7	28.3	*	20.8	37.9	*	29.2	44.7	*
PROCEDURES:										
Angioplasty	19	10.5	6.3	*	10.5	7.5	*	10.5	8.7	*
Coronary Artery Bypass Graft	85	11.8	7.7	6.1	14.1	10.8	7.0	16.5	12.4	7.0
Initial Pacemaker Insertion	32	12.5	4.6	*	12.5	7.9	*	12.5	10.5	*
Carotid Endarterectomy	32	0.0	1.6	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	92	1.1	2.0	1.7	2.2	3.8	2.8	2.2	5.0	3.5
Open Reduction of Hip Fracture	27	3.7	8.5	*	11.1	16.3	*	18.5	21.5	*
Prostatectomy	78	0.0	0.9	1.4	1.3	2.3	1.9	1.3	3.8	3.0
Cholecystectomy	56	1.8	3.6	3.0	1.8	6.1	4.4	3.6	7.7	5.0
Hysterectomy	32	0.0	1.3	*	0.0	3.1	*	6.3	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GEISINGER WYOMING VALLEY MEDICAL CENTER

1000 E Mtn Drive
Wilkes Barre, PA 18711

Medicare Provider Number: 390270

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,854	6.7	8.2	0.8	12.1	12.8	0.9	15.4	16.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	60	25.0	20.9	6.9	28.3	23.8	9.1	28.3	26.8	10.0
Congestive Heart Failure	101	11.9	14.3	5.2	20.8	22.1	5.2	28.7	28.7	4.5
Pneumonia/Influenza	51	13.7	16.5	6.3	23.5	22.1	5.9	27.5	26.8	6.5
Chronic Obstructive Pulmonary Disease	60	11.7	7.2	5.0	16.7	13.3	5.6	20.0	18.7	5.4
Transient Cerebral Ischemia	22	0.0	1.8	*	0.0	4.1	*	0.0	6.6	*
Stroke	83	8.4	18.9	5.9	16.9	25.9	6.6	22.9	30.3	5.5
Hip Fracture	31	3.2	6.4	*	6.5	11.4	*	9.7	14.8	*
Sepsis	23	26.1	24.7	*	34.8	32.1	*	39.1	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	3.5	*	28.6	6.8	*	28.6	9.9	*
Carotid Endarterectomy	10	0.0	2.0	*	0.0	4.2	*	0.0	6.3	*
Hip Replacement/Reconstruction	37	0.0	2.7	*	0.0	5.2	*	0.0	7.3	*
Open Reduction of Hip Fracture	14	7.1	5.8	*	14.3	10.9	*	21.4	14.4	*
Prostatectomy	49	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	40	0.0	3.6	*	2.5	6.5	*	2.5	8.6	*
Hysterectomy	11	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 230
Occupancy Rate 71
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 95
Percent of Physicians Board Certified Specialists 76
Medical Residents/Interns 0
Registered Nurses 177
Licensed Practical Nurses 54

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GEISINGER WYOMING VALLEY MEDICAL CENTER

Medicare Provider Number: 390270

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,988	7.7	8.2	0.9	11.6	12.6	1.2	15.4	16.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	61	31.1	23.4	9.7	32.8	26.6	10.0	32.8	29.9	10.1
Congestive Heart Failure	100	15.0	16.3	4.3	19.0	24.9	6.1	32.0	31.7	4.7
Pneumonia/Influenza	75	24.0	18.4	7.6	28.0	24.7	7.2	33.3	29.7	7.2
Chronic Obstructive Pulmonary Disease	61	4.9	8.0	4.9	14.8	14.8	6.6	14.8	20.6	6.9
Transient Cerebral Ischemia	32	0.0	1.7	*	3.1	3.7	*	12.5	5.7	*
Stroke	73	9.6	19.0	5.7	12.3	25.7	6.8	15.1	30.2	7.0
Hip Fracture	25	0.0	6.9	*	0.0	12.2	*	0.0	15.4	*
Sepsis	16	25.0	23.1	*	31.3	32.5	*	37.5	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	7.6	*	16.7	11.1	*	33.3	13.6	*
Carotid Endarterectomy	12	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	30	0.0	1.9	*	0.0	3.4	*	0.0	4.5	*
Open Reduction of Hip Fracture	17	0.0	6.3	*	0.0	11.9	*	0.0	15.5	*
Prostatectomy	65	1.5	1.2	1.4	3.1	2.8	2.2	6.2	4.5	3.5
Cholecystectomy	41	4.9	3.0	*	7.3	5.3	*	9.8	6.8	*
Hysterectomy	9	0.0	1.5	*	0.0	2.7	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,868	8.9	8.9	1.1	12.3	13.5	1.1	15.4	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	70	18.6	23.2	7.8	20.0	26.6	8.6	25.7	29.9	7.7
Congestive Heart Failure	91	23.1	16.7	6.1	28.6	25.0	5.8	37.4	32.0	5.9
Pneumonia/Influenza	78	19.2	19.2	5.5	28.2	25.5	5.5	28.2	30.7	6.1
Chronic Obstructive Pulmonary Disease	48	10.4	9.9	*	16.7	17.4	*	25.0	23.2	*
Transient Cerebral Ischemia	36	0.0	1.6	*	2.8	3.6	*	5.6	5.7	*
Stroke	73	23.3	20.7	5.3	27.4	28.0	5.4	27.4	32.5	7.0
Hip Fracture	27	3.7	6.4	*	3.7	11.4	*	11.1	14.7	*
Sepsis	24	20.8	21.4	*	25.0	30.0	*	33.3	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	12.5	5.9	*	12.5	10.5	*	12.5	14.3	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	12	0.0	1.6	*	0.0	2.9	*	0.0	3.8	*
Open Reduction of Hip Fracture	21	4.8	6.0	*	4.8	11.3	*	14.3	14.9	*
Prostatectomy	47	2.1	1.0	*	2.1	2.4	*	2.1	4.1	*
Cholecystectomy	46	2.2	3.1	*	4.3	6.1	*	4.3	8.4	*
Hysterectomy	11	0.0	1.2	*	0.0	2.7	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GERMANTOWN HOSPITAL MEDICAL CENTER

One Penn Boulevard
Philadelphia, PA 19144

Medicare Provider Number: 390088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,923	11.1	10.6	0.8	18.9	16.7	1.1	23.2	21.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	37	35.1	31.2	*	43.2	35.6	*	45.9	39.8	*
Congestive Heart Failure	114	10.5	15.8	4.2	23.7	24.3	4.0	31.6	31.3	4.4
Pneumonia/Influenza	72	23.6	19.4	6.8	36.1	26.3	7.5	43.1	31.5	9.5
Chronic Obstructive Pulmonary Disease	30	10.0	11.2	*	23.3	18.7	*	33.3	24.7	*
Transient Cerebral Ischemia	35	0.0	2.4	*	5.7	5.8	*	11.4	9.5	*
Stroke	114	22.8	19.7	4.4	30.7	27.0	6.7	35.1	31.5	6.6
Hip Fracture	50	8.0	6.7	*	12.0	12.3	*	18.0	16.2	*
Sepsis	34	50.0	27.8	*	55.9	36.8	*	55.9	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	6.7	*	16.7	11.8	*	25.0	16.2	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	30	0.0	4.7	*	6.7	9.5	*	10.0	13.3	*
Open Reduction of Hip Fracture	26	7.7	6.9	*	11.5	13.1	*	19.2	17.4	*
Prostatectomy	69	2.9	1.7	2.2	5.8	4.3	3.7	10.1	7.1	4.8
Cholecystectomy	28	0.0	2.7	*	10.7	4.6	*	10.7	6.0	*
Hysterectomy	10	0.0	1.0	*	0.0	2.2	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 215
Occupancy Rate 86
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 215
Percent of Physicians Board Certified Specialists 65
Medical Residents/Interns 24
Registered Nurses 208
Licensed Practical Nurses 16

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GERMANTOWN HOSPITAL MEDICAL CENTER

Medicare Provider Number: 390088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,035	10.5	11.2	1.1	17.9	17.1	0.9	22.1	21.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	49	32.7	31.5	*	36.7	35.2	*	38.8	38.8	*
Congestive Heart Failure	122	10.7	17.5	5.1	22.1	26.7	5.4	27.0	33.8	5.6
Pneumonia/Influenza	69	20.3	18.1	8.7	27.5	24.0	7.2	30.4	28.6	5.8
Chronic Obstructive Pulmonary Disease	22	4.5	13.4	*	9.1	21.2	*	18.2	26.8	*
Transient Cerebral Ischemia	38	2.6	2.0	*	7.9	4.4	*	7.9	7.0	*
Stroke	130	16.2	21.6	6.4	23.1	28.8	6.0	30.0	33.5	5.3
Hip Fracture	64	7.8	7.3	3.7	12.5	13.4	4.4	20.3	17.4	6.2
Sepsis	37	35.1	25.2	*	45.9	32.5	*	51.4	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	8.7	*	22.2	13.6	*	22.2	17.8	*
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	25	4.0	3.9	*	8.0	7.7	*	20.0	10.3	*
Open Reduction of Hip Fracture	36	8.3	7.3	*	13.9	14.1	*	19.4	18.7	*
Prostatectomy	55	0.0	2.4	3.0	3.6	5.1	3.5	5.5	7.7	5.3
Cholecystectomy	24	0.0	3.0	*	8.3	6.0	*	12.5	8.3	*
Hysterectomy	8	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,987	11.3	11.8	0.8	18.6	18.0	1.1	22.7	22.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	67	23.9	30.2	7.5	25.4	34.0	8.6	29.9	38.0	9.4
Congestive Heart Failure	137	15.3	18.2	4.6	27.0	27.3	4.0	34.3	34.4	4.1
Pneumonia/Influenza	64	20.3	18.5	5.0	31.3	25.0	6.8	34.4	30.0	7.6
Chronic Obstructive Pulmonary Disease	30	6.7	9.2	*	10.0	15.5	*	10.0	20.5	*
Transient Cerebral Ischemia	40	0.0	1.9	*	2.5	4.0	*	5.0	6.3	*
Stroke	109	18.3	21.9	5.7	27.5	29.1	5.3	29.4	33.6	5.9
Hip Fracture	49	6.1	8.0	*	14.3	14.7	*	20.4	18.9	*
Sepsis	34	32.4	26.0	*	41.2	33.9	*	50.0	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	7.8	*	13.3	12.4	*	20.0	15.9	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	27	7.4	5.8	*	14.8	11.0	*	18.5	14.6	*
Open Reduction of Hip Fracture	26	0.0	7.3	*	7.7	14.2	*	15.4	18.7	*
Prostatectomy	65	1.5	2.1	1.8	7.7	5.1	3.6	9.2	8.4	3.9
Cholecystectomy	20	10.0	4.3	*	15.0	6.9	*	20.0	8.6	*
Hysterectomy	10	10.0	2.4	*	10.0	4.3	*	10.0	6.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GETTYSBURG HOSPITAL

147 Gettys St
Gettysburg, PA 17325

Medicare Provider Number: 390065

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,143	9.4	10.7	1.3	14.7	15.9	1.6	18.5	19.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	48	33.3	26.2	*	39.6	29.7	*	45.8	33.2	*
Congestive Heart Failure	67	13.4	16.3	6.4	25.4	24.3	9.4	29.9	30.9	6.5
Pneumonia/Influenza	64	14.1	19.5	6.4	25.0	25.9	6.3	31.3	30.8	6.4
Chronic Obstructive Pulmonary Disease	15	0.0	4.1	*	13.3	7.8	*	20.0	11.3	*
Transient Cerebral Ischemia	14	0.0	2.3	*	0.0	5.1	*	0.0	8.2	*
Stroke	62	11.3	18.3	5.6	12.9	25.6	7.5	14.5	30.0	8.6
Hip Fracture	31	0.0	6.7	*	3.2	11.9	*	6.5	15.4	*
Sepsis	27	14.8	28.5	*	37.0	36.4	*	40.7	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	14.2	*	30.0	19.3	*	30.0	23.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	3.6	*	0.0	6.9	*	5.3	9.4	*
Open Reduction of Hip Fracture	5	0.0	9.4	*	0.0	17.9	*	0.0	23.5	*
Prostatectomy	45	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	23	0.0	1.4	*	0.0	2.3	*	0.0	2.9	*
Hysterectomy	2	0.0	0.8	*	0.0	2.2	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 102
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 61
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 0
Registered Nurses 109
Licensed Practical Nurses 45

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GETTYSBURG HOSPITAL

Medicare Provider Number: 390065

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,183	9.9	10.0	1.3	15.6	14.9	1.4	19.8	18.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	43	25.6	29.3	*	27.9	32.3	*	39.5	35.5	*
Congestive Heart Failure	66	13.6	17.5	6.0	27.3	26.9	5.5	34.8	34.2	5.9
Pneumonia/Influenza	62	16.1	16.3	5.2	19.4	22.2	6.1	25.8	26.7	6.2
Chronic Obstructive Pulmonary Disease	13	15.4	7.3	*	23.1	13.5	*	38.5	18.7	*
Transient Cerebral Ischemia	36	0.0	2.3	*	2.8	5.3	*	5.6	8.4	*
Stroke	62	21.0	18.6	7.2	29.0	25.7	8.9	32.3	30.2	6.5
Hip Fracture	43	9.3	6.6	*	16.3	11.9	*	18.6	15.5	*
Sepsis	10	0.0	20.2	*	0.0	27.2	*	0.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.7	*	0.0	2.9	*	0.0	4.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	4.2	*	5.3	7.7	*	10.5	10.0	*
Open Reduction of Hip Fracture	9	22.2	5.6	*	33.3	10.6	*	33.3	14.1	*
Prostatectomy	58	0.0	1.3	1.8	0.0	3.0	3.1	1.7	4.8	3.5
Cholecystectomy	20	0.0	3.7	*	5.0	6.1	*	10.0	7.8	*
Hysterectomy	12	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,074	10.6	9.8	1.1	15.2	14.5	1.2	18.9	18.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	53	37.7	27.5	11.6	41.5	30.7	11.0	41.5	34.3	9.9
Congestive Heart Failure	73	12.3	16.5	7.4	21.9	25.0	6.1	30.1	32.0	6.5
Pneumonia/Influenza	51	13.7	17.4	9.4	23.5	23.8	7.7	27.5	28.7	6.8
Chronic Obstructive Pulmonary Disease	16	12.5	5.9	*	18.8	10.6	*	18.8	14.9	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.8	*	5.9	6.1	*
Stroke	53	18.9	21.6	5.8	20.8	29.0	7.4	22.6	33.6	8.5
Hip Fracture	35	11.4	7.6	*	17.1	13.5	*	20.0	17.4	*
Sepsis	14	14.3	19.9	*	21.4	27.2	*	28.6	32.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.2	*	20.0	6.6	*	20.0	8.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	2.5	*	10.0	4.4	*	10.0	5.8	*
Open Reduction of Hip Fracture	2	0.0	3.3	*	0.0	6.5	*	0.0	8.9	*
Prostatectomy	52	3.8	1.4	2.5	5.8	3.4	3.3	9.6	5.7	4.9
Cholecystectomy	23	4.3	2.6	*	4.3	4.2	*	8.7	5.1	*
Hysterectomy	17	0.0	1.1	*	0.0	2.5	*	5.9	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GNADEN HUETTEN MEMORIAL HOSPITAL

11th & Hamilton Sts
Lehighton, PA 18235

Medicare Provider Number: 390194

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	817	7.6	7.5	0.9	12.6	11.6	1.4	15.3	14.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	28	7.1	23.8	*	7.1	26.1	*	14.3	29.1	*
Congestive Heart Failure	48	10.4	13.8	*	20.8	21.5	*	29.2	28.1	*
Pneumonia/Influenza	31	35.5	17.2	*	45.2	23.2	*	45.2	28.0	*
Chronic Obstructive Pulmonary Disease	8	25.0	4.8	*	25.0	9.0	*	37.5	13.1	*
Transient Cerebral Ischemia	16	6.3	2.1	*	6.3	4.8	*	6.3	7.6	*
Stroke	29	24.1	17.1	*	34.5	22.9	*	37.9	26.8	*
Hip Fracture	15	6.7	6.1	*	13.3	11.0	*	13.3	14.3	*
Sepsis	9	44.4	30.8	*	44.4	38.4	*	55.6	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.0	*	0.0	6.9	*	0.0	9.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	1.7	*	0.0	3.4	*	0.0	4.9	*
Open Reduction of Hip Fracture	8	12.5	6.5	*	25.0	12.0	*	25.0	15.7	*
Prostatectomy	36	0.0	0.9	*	0.0	2.3	*	5.6	3.9	*
Cholecystectomy	15	0.0	1.8	*	0.0	3.1	*	0.0	4.2	*
Hysterectomy	15	6.7	1.3	*	13.3	2.5	*	13.3	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 198
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 61
Percent of Physicians Board Certified Specialists 48
Medical Residents/Interns 0
Registered Nurses 101
Licensed Practical Nurses 39

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GNADEN HUETTEN MEMORIAL HOSPITAL

Medicare Provider Number: 390194

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	884	9.0	7.9	1.7	13.0	11.5	1.9	15.4	14.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	37	24.3	25.5	*	32.4	28.8	*	32.4	32.3	*
Congestive Heart Failure	62	17.7	14.6	5.4	19.4	22.8	6.1	29.0	29.7	6.2
Pneumonia/Influenza	28	32.1	16.2	*	32.1	22.2	*	32.1	26.8	*
Chronic Obstructive Pulmonary Disease	21	14.3	5.6	*	23.8	9.7	*	28.6	13.4	*
Transient Cerebral Ischemia	20	5.0	1.9	*	10.0	4.3	*	10.0	6.7	*
Stroke	30	20.0	21.9	*	26.7	27.5	*	26.7	32.0	*
Hip Fracture	14	0.0	4.8	*	0.0	9.0	*	7.1	11.8	*
Sepsis	11	18.2	40.0	*	27.3	47.5	*	36.4	53.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	6.3	*	21.4	11.6	*	21.4	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	3.0	*	0.0	5.7	*	0.0	7.6	*
Open Reduction of Hip Fracture	6	0.0	4.2	*	0.0	8.2	*	0.0	11.0	*
Prostatectomy	63	0.0	1.6	*	0.0	3.2	*	0.0	5.0	*
Cholecystectomy	24	0.0	1.4	*	4.2	2.8	*	4.2	3.9	*
Hysterectomy	17	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	856	7.6	7.4	0.9	11.8	11.0	1.1	15.8	14.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	24	8.3	30.7	*	16.7	33.6	*	20.8	37.3	*
Congestive Heart Failure	63	17.5	16.7	5.1	25.4	24.7	5.6	36.5	31.5	6.3
Pneumonia/Influenza	33	3.0	14.7	*	6.1	19.9	*	15.2	24.3	*
Chronic Obstructive Pulmonary Disease	16	0.0	12.2	*	0.0	18.6	*	12.5	23.7	*
Transient Cerebral Ischemia	24	4.2	2.2	*	4.2	4.9	*	4.2	7.8	*
Stroke	19	26.3	21.8	*	31.6	28.2	*	42.1	33.0	*
Hip Fracture	21	14.3	6.5	*	14.3	11.5	*	23.8	14.7	*
Sepsis	9	22.2	34.5	*	33.3	40.3	*	44.4	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.8	*	0.0	11.5	*	20.0	18.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	16.7	4.5	*	16.7	8.3	*	25.0	10.8	*
Open Reduction of Hip Fracture	11	9.1	6.0	*	9.1	11.1	*	18.2	14.5	*
Prostatectomy	45	2.2	0.9	*	4.4	2.2	*	6.7	3.7	*
Cholecystectomy	14	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hysterectomy	8	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GOOD SAMARITAN HOSPITAL

Fourth Walnut Streets
Lebanon, PA 17042

Medicare Provider Number: 390066

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,164	9.6	8.2	0.9	14.5	12.7	1.1	17.8	16.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	28.2	26.1	6.8	32.9	29.3	8.4	36.5	32.6	9.2
Congestive Heart Failure	129	14.0	13.8	3.2	24.0	21.1	4.9	29.5	27.4	5.7
Pneumonia/Influenza	67	22.4	13.9	6.8	25.4	18.9	6.2	28.4	23.1	6.0
Chronic Obstructive Pulmonary Disease	36	8.3	6.2	*	16.7	11.3	*	19.4	15.8	*
Transient Cerebral Ischemia	47	6.4	1.8	*	6.4	4.0	*	6.4	6.3	*
Stroke	99	19.2	18.0	6.4	27.3	25.0	7.0	31.3	29.5	7.8
Hip Fracture	74	9.5	6.1	6.1	14.9	10.8	6.2	16.2	14.0	5.1
Sepsis	26	46.2	20.1	*	50.0	26.2	*	50.0	31.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	6.3	3.5	*	18.8	6.5	*	18.8	9.1	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.5	*	0.0	3.5	*
Hip Replacement/Reconstruction	39	2.6	3.1	*	5.1	6.0	*	5.1	8.2	*
Open Reduction of Hip Fracture	38	7.9	6.0	*	13.2	11.0	*	15.8	14.4	*
Prostatectomy	96	1.0	1.0	1.2	2.1	2.6	1.7	4.2	4.3	2.1
Cholecystectomy	63	4.8	3.3	2.7	4.8	6.1	3.8	9.5	8.4	3.6
Hysterectomy	6	0.0	2.9	*	0.0	7.0	*	0.0	11.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 158
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 116
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 0
Registered Nurses 148
Licensed Practical Nurses 59

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GOOD SAMARITAN HOSPITAL

Medicare Provider Number: 390066

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,369	10.9	8.9	0.8	15.9	13.7	1.0	19.8	17.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	98	33.7	27.8	9.0	40.8	31.4	8.9	40.8	35.0	9.3
Congestive Heart Failure	129	18.6	15.7	4.2	27.9	23.8	5.9	32.6	30.4	4.8
Pneumonia/Influenza	75	18.7	16.9	4.5	20.0	22.9	5.1	22.7	27.6	5.6
Chronic Obstructive Pulmonary Disease	48	12.5	8.6	*	22.9	14.0	*	27.1	18.6	*
Transient Cerebral Ischemia	41	0.0	2.2	*	2.4	4.9	*	9.8	7.6	*
Stroke	107	22.4	18.2	6.2	29.0	24.7	5.6	30.8	29.0	4.9
Hip Fracture	77	5.2	7.0	3.4	10.4	12.8	4.1	18.2	16.6	4.5
Sepsis	27	18.5	22.2	*	22.2	28.7	*	29.6	34.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.3	*	0.0	5.6	*	6.7	7.9	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	44	6.8	4.3	*	11.4	8.2	*	15.9	10.7	*
Open Reduction of Hip Fracture	32	0.0	5.9	*	3.1	11.3	*	9.4	15.0	*
Prostatectomy	96	0.0	1.4	1.9	2.1	3.5	2.5	6.3	5.9	2.4
Cholecystectomy	73	4.1	4.1	3.3	9.6	7.6	3.8	12.3	10.1	4.7
Hysterectomy	19	0.0	0.6	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,183	10.9	9.1	1.0	15.3	13.9	1.0	18.8	17.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	102	38.2	29.3	7.5	41.2	33.1	8.6	46.1	36.8	8.6
Congestive Heart Failure	116	25.0	15.7	5.1	31.0	23.6	5.2	38.8	30.4	5.7
Pneumonia/Influenza	65	24.6	16.6	6.2	30.8	21.9	6.8	35.4	26.3	9.0
Chronic Obstructive Pulmonary Disease	54	11.1	10.7	4.2	24.1	18.1	6.2	40.7	23.8	9.0
Transient Cerebral Ischemia	34	2.9	2.4	*	5.9	5.2	*	11.8	8.2	*
Stroke	105	19.0	20.8	4.3	25.7	27.6	4.8	27.6	32.2	6.5
Hip Fracture	69	14.5	6.7	5.0	18.8	12.5	5.5	20.3	16.6	5.1
Sepsis	35	28.6	22.8	*	31.4	30.8	*	34.3	36.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	6.7	3.6	*	6.7	7.0	*	10.0	10.4	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	37	5.4	3.2	*	5.4	6.4	*	5.4	8.9	*
Open Reduction of Hip Fracture	39	15.4	6.6	*	20.5	12.6	*	23.1	16.7	*
Prostatectomy	88	2.3	1.1	1.7	3.4	2.8	1.8	6.8	4.8	2.8
Cholecystectomy	55	9.1	5.0	3.4	14.5	9.1	4.4	20.0	11.8	5.4
Hysterectomy	27	0.0	1.8	*	0.0	3.3	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

100 1889 GSH years 1989

THE GOOD SAMARITAN HOSPITAL

100 YEARS OF CARING

January 14, 1991

Gail R. Wilensky, Ph.D.
Administrator
Department of Health and Human Services
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

RE: Medicare Provider
390066

Dear Dr. Wilensky:

The Good Samaritan Hospital, Lebanon, Pennsylvania received and verified the accuracy of the 1989 Medical Mortality Data. We found twelve errors in surname spelling, the letter suffixed to the social security number, principal diagnosis codes, date of death, sex, and two patients data mixed up on the same line. Thus, the data accuracy is very good.

The hospital characteristics taken from the American Hospital Association Annual Survey of Hospitals - 1989 is correct.

Of the 485 Medicare deaths, 47% occurred after discharge from the hospital. The average age of the in-hospital deaths was 77.5 years with a range of 65-99 years. The average weighted admission severity of the in-hospital deaths was 2.6 to 2.8.

The validity and reliability of choosing a random hospitalization to assign the conditions/procedures to is in question. In 73 deaths (15%), a different category would been assigned if the last admission were selected rather than random selection.

At the 75% confidence interval for 1989 data, the Hospital's mortality rate observed exceeded the point estimate for "all other causes" and "pneumonia/influenza" deaths at 30, 90, and 180 days post-admission. However, when the 95% confidence interval was calculated, the observed mortalities were within the two standard deviation ranges. Thus, statistically the mortalities are random variation and not meaningful. These results confirm the individual medical staff peer review that was performed on the in-hospital mortalities in 1989.

Dr. Wilensky
January 14, 1991
page two

We appreciate the opportunity to validate and comment on the Medicare Mortality Data. We point out that mortality data is not a meaningful guide to judge hospital performance. Furthermore, it has limited usefulness for the average consumer.

Sincerely,

Janet Simpson

Janet Simpson
Vice President, QA/RM

JS/js
c: Robert Hoffman
Robert Longo
Joyce Dissinger

GOOD SAMARITAN REGIONAL MEDICAL CENTER

E Norwegian Tremont Sts
Pottsville, PA 17901

Medicare Provider Number: 390031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,465	10.6	9.0	0.7	16.7	13.8	0.9	21.0	17.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	68	27.9	26.7	11.0	35.3	30.1	11.9	38.2	33.4	9.4
Congestive Heart Failure	136	14.7	14.9	3.1	26.5	23.2	4.1	38.2	30.0	6.0
Pneumonia/Influenza	106	13.2	16.8	5.7	15.1	22.8	6.7	18.9	27.7	7.8
Chronic Obstructive Pulmonary Disease	34	8.8	9.8	*	14.7	15.6	*	14.7	20.5	*
Transient Cerebral Ischemia	94	1.1	2.1	2.1	4.3	4.5	2.7	7.4	7.2	2.7
Stroke	118	22.0	19.4	5.7	28.8	25.7	8.5	34.7	30.1	8.8
Hip Fracture	36	13.9	8.4	*	16.7	14.5	*	19.4	18.4	*
Sepsis	23	17.4	23.3	*	39.1	32.1	*	47.8	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	4.0	*	5.3	7.7	*	10.5	10.9	*
Carotid Endarterectomy	11	9.1	1.5	*	9.1	2.9	*	9.1	4.3	*
Hip Replacement/Reconstruction	16	0.0	5.4	*	6.3	9.7	*	6.3	12.6	*
Open Reduction of Hip Fracture	16	18.8	7.5	*	18.8	13.6	*	25.0	17.6	*
Prostatectomy	76	0.0	1.3	2.6	5.3	3.4	3.1	7.9	5.7	4.5
Cholecystectomy	61	3.3	3.5	3.4	9.8	6.3	4.5	9.8	8.3	5.3
Hysterectomy	13	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 211
Occupancy Rate 77
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 101
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 142
Licensed Practical Nurses 65

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GOOD SAMARITAN REGIONAL MEDICAL CENTER

Medicare Provider Number: 390031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,502	9.7	9.2	1.0	15.3	14.0	1.1	18.9	17.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	80	32.5	29.5	5.7	37.5	32.6	6.1	38.7	35.9	6.1
Congestive Heart Failure	181	16.6	16.3	2.8	28.7	24.8	4.4	35.9	31.7	6.8
Pneumonia/Influenza	107	19.6	18.1	3.9	21.5	24.3	4.9	25.2	29.2	5.8
Chronic Obstructive Pulmonary Disease	16	0.0	9.7	*	6.3	16.6	*	18.8	22.2	*
Transient Cerebral Ischemia	97	6.2	2.3	3.6	8.2	5.1	3.8	10.3	8.0	3.5
Stroke	97	24.7	19.0	6.1	35.1	25.5	6.8	35.1	30.1	5.4
Hip Fracture	41	9.8	8.2	*	17.1	14.3	*	17.1	18.0	*
Sepsis	27	29.6	24.7	*	33.3	32.9	*	40.7	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	9.5	*	15.0	13.1	*	25.0	16.3	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.5	*	14.3	3.7	*
Hip Replacement/Reconstruction	16	0.0	4.0	*	0.0	7.5	*	0.0	9.6	*
Open Reduction of Hip Fracture	16	0.0	8.0	*	6.3	14.3	*	6.3	18.1	*
Prostatectomy	90	0.0	1.2	2.1	2.2	3.0	3.0	5.6	4.8	3.5
Cholecystectomy	56	1.8	2.7	2.4	1.8	4.7	3.5	1.8	6.0	4.2
Hysterectomy	20	10.0	1.8	*	15.0	3.8	*	15.0	5.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,348	9.7	8.9	0.8	14.7	13.6	0.9	18.3	17.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	89	31.5	29.4	5.4	36.0	32.3	5.7	40.4	35.6	6.5
Congestive Heart Failure	189	23.3	15.9	4.6	29.6	24.5	4.6	36.5	31.7	4.9
Pneumonia/Influenza	83	12.0	16.0	4.7	22.9	21.5	5.4	28.9	26.1	5.2
Chronic Obstructive Pulmonary Disease	30	16.7	10.6	*	20.0	18.6	*	20.0	25.2	*
Transient Cerebral Ischemia	91	2.2	1.9	1.5	2.2	4.0	4.1	8.8	6.2	4.4
Stroke	80	21.2	22.6	6.2	27.5	29.2	5.2	28.7	33.8	6.0
Hip Fracture	41	2.4	6.2	*	4.9	11.1	*	9.8	14.5	*
Sepsis	33	36.4	24.8	*	48.5	32.8	*	54.5	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	4.9	*	4.2	8.5	*	8.3	11.5	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	22	4.5	4.3	*	9.1	7.7	*	9.1	10.1	*
Open Reduction of Hip Fracture	18	0.0	5.4	*	5.6	10.4	*	16.7	14.0	*
Prostatectomy	65	6.2	1.7	2.9	9.2	4.1	3.8	9.2	6.8	4.6
Cholecystectomy	54	3.7	2.8	2.5	5.6	5.1	3.1	7.4	6.9	3.5
Hysterectomy	9	0.0	1.9	*	0.0	3.9	*	0.0	5.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

147.1

Good Samaritan
REGIONAL MEDICAL CENTER
Pottsville PA

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider Number: 390031

Dear Mrs. Sandra Kappert:

The Good Samaritan Regional Medical Center is enthusiastic with the changes in the predicted mortality model utilized in this year's publication. Many factors have been included into the model which predicts the mortality rate. Our hospital is located in a coal mining region of Pennsylvania. Our patient population historically presents with the co-morbid condition of chronic obstructive pulmonary disease (COPD). Unfortunately this disease is not included as a factor in the mortality model which definitely would impact on the patient's probability of death.

Through the use of the statistic model provided, each diagnostic category was reviewed and its statistical significance calculated. The hospital's mortality rate was within satisfactory estimation in all diagnostic categories in which a standard deviation was calculated. The Medical Center assigns an admission severity of illness score upon discharge for each patient in order to monitor the outcome of the patient. Based upon this monitoring, the Medical Center has demonstrated that 83% of all our hospital deaths are occurring in patients who have organ failure present (severity group 4) or high potential for organ failure (severity group 3) at the time of admission. The statistics reflect that the deaths were disease driven rather than an outcome of the quality of patient care rendered.

There were four categories in which the observed mortality rate was higher than the predicted value. However, in all four categories the total number of cases was too small to permit satisfactory estimation of the standard deviation. Thus, the statistical significance cannot be determined. Every mortality within these four categories was reviewed by the hospital's Medical Director in order to review the medical care given to the patient.

The four categories included: carotid endarterectomy, sepsis, hip fracture and open reduction of hip fracture. The following conclusions were drawn from the in-depth review:

Endarterectomy

Only one patient expired following the procedure. This patient died of cardiac dissociation, not a complication of the procedure.

Sepsis

Three patients died within 24 hours of admission due to the extreme severity of their illness. The other patients who expired while still in the hospital succumbed to chronic conditions such as renal failure and G.I. bleeding. The average age of these patients was 84 years old. Of the cases in which the patients expired 90 and 180 days past discharge, the review of the record demonstrates the medical care given was appropriate and the patients were discharged in full recovery of their septic condition.

Hip Fractures

There were 5 deaths within 30 days of discharge from the hospital in which they were admitted for a hip fracture. The average age of these patients was 88 years old. Three of these patients received open reduction treatment of their fractures. Two patients did not due to their poor health. All deaths were reviewed and found to be caused by cardiac failure and/or pre-existing co-morbid conditions. None were due to complications of the surgery. Review of the three cases which expired more than 30 days post discharge demonstrated that the patients were discharged in orthopedically stable condition.

In summary, Good Samaritan supports the concept of providing mortality statistics as a basis for potential quality review. However, COPD should be added as a factor in the mortality model since its significance is not addressed, yet apparent in our region. Secondly, predicting mortality rates of patients who expire 90 and 180 days post discharge does not reflect the care given to the patient while in the hospital. This data, given to hospitals, is of benefit for investigating potential quality indicators. Unfortunately, providing this data to the public encourages the potential of misunderstanding for the outcome does not reflect the quality of care given to the patient while in the hospital.

Respectfully submitted,

Frederick Siembieda, President
Chief Executive Officer

FS/ap

GRADUATE HOSPITAL

One Graduate Plaza
Philadelphia, PA 19146

Medicare Provider Number: 390170

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,187	7.5	8.7	1.1	13.0	13.5	1.1	16.2	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	75	24.0	28.0	6.5	26.7	31.6	8.1	28.0	35.5	10.4
Congestive Heart Failure	92	7.6	14.4	5.7	16.3	22.7	7.1	21.7	29.5	6.1
Pneumonia/Influenza	49	12.2	14.9	*	20.4	20.1	*	22.4	24.3	*
Chronic Obstructive Pulmonary Disease	21	14.3	13.2	*	23.8	20.2	*	28.6	25.8	*
Transient Cerebral Ischemia	11	0.0	1.4	*	0.0	2.9	*	0.0	4.5	*
Stroke	57	8.8	21.2	8.1	24.6	28.2	7.1	26.3	32.7	6.9
Hip Fracture	35	8.6	6.1	*	22.9	11.1	*	34.3	14.5	*
Sepsis	12	41.7	26.7	*	58.3	35.3	*	58.3	41.6	*
PROCEDURES:										
Angioplasty	76	5.3	3.2	3.3	5.3	4.1	3.7	5.3	5.2	4.1
Coronary Artery Bypass Graft	94	7.4	5.8	2.6	7.4	8.8	3.3	10.6	10.8	3.2
Initial Pacemaker Insertion	17	5.9	3.3	*	11.8	6.8	*	17.6	10.6	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	28	3.6	2.5	*	10.7	4.7	*	14.3	6.4	*
Open Reduction of Hip Fracture	21	0.0	5.1	*	14.3	9.8	*	28.6	13.2	*
Prostatectomy	65	0.0	1.3	2.0	3.1	3.2	2.7	7.7	5.2	4.3
Cholecystectomy	24	8.3	3.8	*	16.7	6.8	*	25.0	9.3	*
Hysterectomy	5	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	320
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	348
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	109
Registered Nurses	377
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRADUATE HOSPITAL

Medicare Provider Number: 390170

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,358	9.8	9.9	1.0	14.9	15.2	0.9	18.5	19.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	70	25.7	31.9	10.5	28.6	35.5	10.5	31.4	39.6	11.0
Congestive Heart Failure	73	23.3	17.5	7.7	31.5	26.7	7.8	38.4	33.8	6.7
Pneumonia/Influenza	41	24.4	20.1	*	29.3	27.5	*	34.1	32.9	*
Chronic Obstructive Pulmonary Disease	28	14.3	9.2	*	21.4	15.1	*	25.0	20.2	*
Transient Cerebral Ischemia	23	4.3	1.9	*	4.3	4.4	*	4.3	6.9	*
Stroke	62	16.1	24.1	6.4	27.4	31.0	6.4	33.9	35.5	6.1
Hip Fracture	46	13.0	6.8	*	21.7	12.6	*	23.9	16.3	*
Sepsis	19	31.6	28.9	*	52.6	40.3	*	63.2	47.5	*
PROCEDURES:										
Angioplasty	75	4.0	4.4	2.5	4.0	5.6	3.0	4.0	7.0	3.9
Coronary Artery Bypass Graft	108	9.3	6.5	4.1	12.0	9.2	4.3	13.0	10.8	4.7
Initial Pacemaker Insertion	18	5.6	7.1	*	11.1	10.8	*	16.7	13.9	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	27	11.1	3.1	*	18.5	6.3	*	18.5	8.8	*
Open Reduction of Hip Fracture	25	8.0	6.7	*	20.0	12.9	*	24.0	16.9	*
Prostatectomy	72	1.4	1.3	1.6	5.6	3.2	2.8	5.6	5.3	2.7
Cholecystectomy	28	3.6	4.3	*	10.7	7.8	*	10.7	9.8	*
Hysterectomy	6	0.0	2.5	*	0.0	5.0	*	0.0	7.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,260	8.8	9.8	0.8	14.9	15.1	0.9	18.8	19.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	75	30.7	31.9	6.8	33.3	36.2	7.1	37.3	40.3	7.3
Congestive Heart Failure	92	14.1	16.1	4.1	25.0	24.6	5.1	33.7	31.6	5.1
Pneumonia/Influenza	48	12.5	17.2	*	31.2	23.4	*	43.7	28.3	*
Chronic Obstructive Pulmonary Disease	30	6.7	9.9	*	26.7	16.5	*	30.0	21.5	*
Transient Cerebral Ischemia	15	0.0	2.2	*	6.7	4.5	*	6.7	7.0	*
Stroke	66	21.2	19.8	5.0	28.8	26.4	7.3	33.3	30.7	7.3
Hip Fracture	33	9.1	6.7	*	21.2	12.3	*	24.2	16.1	*
Sepsis	22	31.8	23.8	*	31.8	31.6	*	36.4	37.3	*
PROCEDURES:										
Angioplasty	61	1.6	3.2	3.5	3.3	4.6	4.5	3.3	6.0	5.0
Coronary Artery Bypass Graft	101	11.9	6.6	4.5	16.8	9.6	5.4	17.8	11.3	5.3
Initial Pacemaker Insertion	18	5.6	5.1	*	16.7	9.2	*	16.7	12.5	*
Carotid Endarterectomy	8	0.0	2.5	*	0.0	5.7	*	0.0	9.1	*
Hip Replacement/Reconstruction	25	4.0	3.7	*	8.0	7.6	*	16.0	10.9	*
Open Reduction of Hip Fracture	12	16.7	5.6	*	25.0	10.2	*	25.0	13.3	*
Prostatectomy	72	0.0	1.6	2.3	5.6	3.7	2.7	6.9	6.1	3.0
Cholecystectomy	30	10.0	4.1	*	13.3	7.2	*	16.7	9.2	*
Hysterectomy	13	7.7	2.4	*	7.7	5.4	*	15.4	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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THE GRADUATE HOSPITAL

Samuel H. Steinberg, FACHE
Executive Director

One Graduate Plaza
1800 Lombard Street
Philadelphia, PA 19146
(215) 893-7697

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider Number 390170

Dear Mrs. Kappert:

We have reviewed the Health Care Financing Administration Medicare Mortality Rates for the years 1987 through 1989 as they pertain to The Graduate Hospital.

Utilizing HCFA's statistical formula for determining predictable mortality ranges, we have determined that the mortality rates at The Graduate Hospital fall within the predictable range for all 17 categories for each year.

The Graduate Hospital is committed to monitoring the quality of its care and to making accurate, reliable information available to the public. We appreciate the opportunity to comment and look forward to reviewing the complete Medicare Mortality Analysis when it is published.

Sincerely,

/cm

GRAND VIEW HOSPITAL

Lawn Ave
Sellersville, PA 18960

Medicare Provider Number: 390057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,012	8.9	9.7	1.0	13.7	14.8	1.1	16.5	18.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	63	17.5	26.3	12.4	23.8	29.9	13.0	25.4	33.3	12.3
Congestive Heart Failure	106	18.9	16.3	5.0	30.2	24.9	8.3	36.8	31.8	7.0
Pneumonia/Influenza	84	16.7	19.0	6.6	23.8	25.6	5.1	28.6	30.7	5.3
Chronic Obstructive Pulmonary Disease	18	5.6	5.5	*	11.1	10.0	*	11.1	14.0	*
Transient Cerebral Ischemia	38	2.6	1.5	*	2.6	3.2	*	5.3	5.0	*
Stroke	76	15.8	19.7	6.8	19.7	27.1	9.0	22.4	31.6	10.8
Hip Fracture	63	3.2	7.7	4.6	6.3	13.8	7.0	9.5	17.7	8.4
Sepsis	47	38.3	29.7	*	40.4	38.4	*	44.7	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	6.0	*	0.0	9.9	*	0.0	13.0	*
Carotid Endarterectomy	10	0.0	2.6	*	10.0	5.3	*	10.0	8.0	*
Hip Replacement/Reconstruction	43	4.7	4.7	*	9.3	8.9	*	11.6	11.8	*
Open Reduction of Hip Fracture	38	2.6	7.1	*	5.3	13.1	*	7.9	16.9	*
Prostatectomy	74	4.1	1.1	2.7	5.4	2.6	3.1	6.8	4.3	4.0
Cholecystectomy	51	3.9	4.0	2.9	9.8	7.0	4.2	13.7	9.0	5.2
Hysterectomy	8	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 250
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 130
Percent of Physicians Board Certified Specialists 96
Medical Residents/Interns 0
Registered Nurses 295
Licensed Practical Nurses 31

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GRAND VIEW HOSPITAL

Medicare Provider Number: 390057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,935	7.4	9.9	0.7	11.4	14.8	0.9	14.8	18.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	78	24.4	31.3	7.0	29.5	35.0	7.6	30.8	38.9	8.3
Congestive Heart Failure	107	7.5	16.3	5.0	15.0	24.6	5.7	18.7	31.4	6.3
Pneumonia/Influenza	111	11.7	19.0	6.3	20.7	25.5	5.7	26.1	30.4	5.4
Chronic Obstructive Pulmonary Disease	17	5.9	9.2	*	11.8	16.8	*	11.8	23.3	*
Transient Cerebral Ischemia	31	0.0	1.9	*	0.0	4.1	*	0.0	6.4	*
Stroke	74	10.8	22.0	8.2	20.3	29.6	9.9	24.3	34.6	7.5
Hip Fracture	47	6.4	8.4	*	12.8	15.3	*	14.9	19.6	*
Sepsis	19	31.6	37.0	*	36.8	45.5	*	47.4	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	9.1	*	4.5	13.3	*	4.5	17.4	*
Carotid Endarterectomy	12	0.0	1.5	*	8.3	2.9	*	8.3	4.1	*
Hip Replacement/Reconstruction	42	2.4	2.5	*	2.4	4.8	*	2.4	6.5	*
Open Reduction of Hip Fracture	32	6.3	7.7	*	12.5	14.6	*	15.6	19.1	*
Prostatectomy	74	2.7	1.5	1.7	5.4	3.7	2.6	9.5	6.2	4.2
Cholecystectomy	41	4.9	3.5	*	4.9	5.6	*	9.8	7.0	*
Hysterectomy	11	0.0	5.7	*	0.0	7.7	*	0.0	8.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,889	8.6	10.1	0.9	13.2	15.1	1.1	16.4	19.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	72	26.4	30.3	6.6	29.2	33.6	7.2	30.6	37.2	8.8
Congestive Heart Failure	90	12.2	18.1	7.1	20.0	27.0	9.9	25.6	34.1	9.8
Pneumonia/Influenza	104	13.5	19.8	6.8	21.2	26.7	7.5	25.0	32.1	8.5
Chronic Obstructive Pulmonary Disease	25	12.0	13.8	*	16.0	22.2	*	20.0	28.8	*
Transient Cerebral Ischemia	49	4.1	1.6	*	6.1	3.5	*	8.2	5.5	*
Stroke	71	19.7	22.5	5.5	26.8	29.6	6.0	29.6	34.2	7.4
Hip Fracture	54	5.6	7.7	5.2	9.3	13.7	7.5	13.0	17.4	8.2
Sepsis	26	34.6	37.8	*	38.5	45.4	*	42.3	52.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	4.9	*	9.1	8.9	*	13.6	12.6	*
Carotid Endarterectomy	12	0.0	1.8	*	0.0	3.4	*	8.3	4.8	*
Hip Replacement/Reconstruction	50	0.0	3.1	*	0.0	5.9	*	2.0	7.8	*
Open Reduction of Hip Fracture	28	10.7	8.2	*	14.3	15.0	*	17.9	19.3	*
Prostatectomy	70	4.3	2.0	2.2	5.7	4.8	2.9	5.7	7.9	3.5
Cholecystectomy	41	9.8	5.2	*	9.8	8.1	*	9.8	10.0	*
Hysterectomy	13	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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GVH

GRAND VIEW HOSPITAL

January 14, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Grand View Hospital is pleased that the 1989 Medicare hospital mortality rates for our institution, as well as the reworked 1988 and 1987 data, is well within the acceptable ranges as determined by HCFA. We strongly support the utilization of health care data to improve care and reduce costs. The institution continues to develop and refine an extensive quality assurance program in all areas and departments of the hospital.

Although strong proponents of health care outcome analyses, we are concerned with the methodology employed in determining the mortality rates since such data has tremendous potential for being misleading and potentially harmful to patients, as well as to institutions. Outcome data should never be oversimplified nor published without the benefit of detailed peer review, a component currently not included in the HCFA data. Grand View Hospital's quality assurance program hinges on a detailed peer review process with clinicians reviewing in a timely fashion all cases that vary from the norm, so that any opportunities for changes in care approaches might be undertaken.

A further concern is that the HCFA Mortality Data contains no provision for the death of a Medicare patient which may be totally unrelated to the hospital admission or procedure. This scenario becomes much more likely since the data is now projected out to six months post discharge.

In summary, Grand View Hospital continues to support the collection and utilization of health care data; however, such undertakings should be done on a much more detailed basis than the current methodology employed by HCFA coupled, hand in hand, with an extensive peer review process.

Sincerely,

Jane A. Ferry M.D.

Jane A. Ferry, M.D.
Medical Director

JAF:bfs

GREENE COUNTY MEMORIAL HOSPITAL

Seventh Bonar Streets
Waynesburg, PA 15370

Medicare Provider Number: 390150

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	947	7.4	10.9	1.1	11.4	16.3	1.3	14.5	20.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	29.6	*	32.4	33.1	*	35.1	36.7	*
Congestive Heart Failure	68	7.4	16.2	5.5	25.0	25.2	7.5	29.4	32.4	5.8
Pneumonia/Influenza	80	7.5	21.4	5.9	10.0	28.5	6.9	13.7	33.8	7.4
Chronic Obstructive Pulmonary Disease	24	4.2	7.7	*	8.3	14.1	*	8.3	19.7	*
Transient Cerebral Ischemia	19	0.0	2.5	*	0.0	5.6	*	5.3	9.0	*
Stroke	40	12.5	21.8	*	15.0	29.0	*	15.0	33.6	*
Hip Fracture	16	6.3	6.9	*	6.3	12.5	*	6.3	16.3	*
Sepsis	10	20.0	20.4	*	20.0	27.3	*	20.0	32.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.2	*	0.0	7.2	*	0.0	11.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	7.3	*	12.5	13.8	*	12.5	18.2	*
Open Reduction of Hip Fracture	8	0.0	4.8	*	0.0	9.0	*	0.0	12.0	*
Prostatectomy	24	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	16	0.0	2.3	*	0.0	3.8	*	0.0	4.9	*
Hysterectomy	4	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	86
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	43
Medical Residents/Interns	0
Registered Nurses	77
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREENE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 390150

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,025	9.7	10.5	1.2	14.4	15.6	1.3	17.4	19.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	38	36.8	33.3	*	42.1	36.8	*	44.7	40.5	*
Congestive Heart Failure	52	13.5	19.8	10.4	23.1	30.2	12.1	30.8	37.7	12.8
Pneumonia/Influenza	82	15.9	18.5	6.9	25.6	24.7	8.4	29.3	29.3	8.4
Chronic Obstructive Pulmonary Disease	27	11.1	7.9	*	18.5	14.2	*	22.2	19.8	*
Transient Cerebral Ischemia	19	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	42	28.6	24.0	*	31.0	30.0	*	33.3	34.5	*
Hip Fracture	22	4.5	6.9	*	13.6	12.7	*	18.2	16.6	*
Sepsis	13	23.1	27.4	*	23.1	38.9	*	23.1	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	40.0	7.6	*	40.0	10.0	*	40.0	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.4	*	33.3	7.0	*	33.3	9.4	*
Open Reduction of Hip Fracture	15	6.7	7.0	*	13.3	13.6	*	20.0	18.1	*
Prostatectomy	36	0.0	1.1	*	0.0	2.6	*	0.0	4.5	*
Cholecystectomy	13	0.0	3.6	*	7.7	6.1	*	7.7	7.8	*
Hysterectomy	5	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	951	11.4	10.9	1.2	16.2	16.2	1.2	19.9	20.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	62	32.3	33.2	7.2	35.5	36.7	6.8	38.7	40.2	6.3
Congestive Heart Failure	69	18.8	17.5	4.7	29.0	26.8	6.5	34.8	34.4	6.4
Pneumonia/Influenza	69	14.5	19.5	7.9	26.1	26.5	8.8	30.4	32.1	5.8
Chronic Obstructive Pulmonary Disease	25	4.0	10.8	*	4.0	18.3	*	12.0	24.1	*
Transient Cerebral Ischemia	27	3.7	2.5	*	7.4	5.3	*	7.4	8.4	*
Stroke	34	29.4	20.4	*	32.4	27.0	*	38.2	31.7	*
Hip Fracture	10	0.0	6.4	*	20.0	12.0	*	20.0	15.8	*
Sepsis	15	40.0	28.7	*	46.7	37.5	*	46.7	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.0	*	0.0	7.3	*	0.0	10.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	4.0	*	33.3	8.0	*	33.3	11.0	*
Open Reduction of Hip Fracture	3	0.0	5.6	*	0.0	10.7	*	0.0	14.2	*
Prostatectomy	39	2.6	1.4	*	7.7	3.6	*	10.3	6.1	*
Cholecystectomy	20	0.0	4.6	*	0.0	7.1	*	0.0	8.8	*
Hysterectomy	4	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GREENVILLE REGIONAL HOSPITAL

110 N Main St
Greenville, PA 16125

Medicare Provider Number: 390178

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,082	6.1	7.3	0.7	9.2	10.8	1.0	11.3	13.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	63	20.6	27.7	10.6	22.2	30.5	11.3	23.8	33.7	12.2
Congestive Heart Failure	101	20.8	15.8	4.2	24.8	23.9	4.3	26.7	30.6	5.1
Pneumonia/Influenza	74	16.2	17.8	4.7	21.6	24.2	5.5	25.7	29.2	6.2
Chronic Obstructive Pulmonary Disease	20	0.0	7.1	*	0.0	12.0	*	0.0	16.6	*
Transient Cerebral Ischemia	23	0.0	1.6	*	4.3	3.4	*	4.3	5.4	*
Stroke	55	12.7	21.4	9.9	20.0	27.4	11.0	21.8	31.9	10.6
Hip Fracture	29	13.8	6.9	*	17.2	12.1	*	27.6	15.5	*
Sepsis	13	15.4	30.3	*	23.1	36.7	*	23.1	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.9	*	0.0	3.7	*	0.0	5.5	*
Carotid Endarterectomy	17	0.0	1.3	*	0.0	2.5	*	5.9	3.6	*
Hip Replacement/Reconstruction	113	3.5	1.1	2.0	4.4	2.0	2.3	5.3	2.6	2.4
Open Reduction of Hip Fracture	14	7.1	6.0	*	7.1	10.9	*	14.3	14.0	*
Prostatectomy	87	2.3	0.8	1.7	4.6	1.8	2.7	6.9	3.1	3.6
Cholecystectomy	34	5.9	4.6	*	8.8	7.3	*	8.8	9.1	*
Hysterectomy	8	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 177
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 57
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 219
Licensed Practical Nurses 53

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GREENVILLE REGIONAL HOSPITAL

Medicare Provider Number: 390178

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,162	6.2	7.8	1.0	9.6	11.4	0.9	12.0	14.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	60	33.3	34.5	6.5	38.3	38.3	6.7	41.7	42.0	6.4
Congestive Heart Failure	104	6.7	17.8	6.2	16.3	26.8	6.6	24.0	34.0	6.7
Pneumonia/Influenza	68	30.9	20.0	7.2	32.4	26.8	6.8	36.8	32.0	6.3
Chronic Obstructive Pulmonary Disease	15	0.0	6.6	*	13.3	12.0	*	13.3	16.6	*
Transient Cerebral Ischemia	43	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	66	10.6	20.9	7.4	13.6	27.0	7.9	22.7	31.6	7.0
Hip Fracture	35	8.6	6.0	*	8.6	10.8	*	11.4	13.8	*
Sepsis	13	30.8	36.8	*	53.8	44.8	*	53.8	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	10.7	*	0.0	13.4	*	0.0	16.5	*
Carotid Endarterectomy	13	7.7	1.7	*	7.7	3.2	*	7.7	4.8	*
Hip Replacement/Reconstruction	127	0.8	1.2	1.3	0.8	2.3	2.3	1.6	3.1	2.7
Open Reduction of Hip Fracture	17	11.8	5.3	*	11.8	9.9	*	11.8	12.9	*
Prostatectomy	65	0.0	1.2	2.5	6.2	2.9	2.6	9.2	4.7	3.8
Cholecystectomy	33	6.1	4.5	*	9.1	8.0	*	9.1	10.2	*
Hysterectomy	8	0.0	0.7	*	0.0	1.2	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,233	6.3	7.5	0.7	9.4	11.2	0.9	11.8	14.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	58	20.7	27.3	10.7	24.1	30.8	11.4	25.9	34.3	12.1
Congestive Heart Failure	104	15.4	19.0	4.9	26.9	28.0	5.4	29.8	35.1	8.3
Pneumonia/Influenza	48	12.5	18.8	*	18.8	25.0	*	25.0	29.9	*
Chronic Obstructive Pulmonary Disease	14	0.0	6.6	*	0.0	10.9	*	0.0	14.7	*
Transient Cerebral Ischemia	35	5.7	1.9	*	5.7	4.1	*	5.7	6.4	*
Stroke	50	26.0	26.5	*	34.0	32.7	*	38.0	37.3	*
Hip Fracture	38	2.6	6.4	*	5.3	11.6	*	5.3	15.1	*
Sepsis	11	9.1	38.5	*	18.2	46.4	*	18.2	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.7	*	0.0	7.6	*	12.5	11.4	*
Carotid Endarterectomy	27	0.0	1.6	*	3.7	2.8	*	3.7	4.1	*
Hip Replacement/Reconstruction	126	0.0	1.5	1.5	0.8	2.8	2.1	0.8	3.7	2.5
Open Reduction of Hip Fracture	16	6.3	5.2	*	6.3	10.1	*	6.3	13.5	*
Prostatectomy	63	1.6	1.0	1.5	4.8	2.5	2.7	4.8	4.2	3.6
Cholecystectomy	28	3.6	5.7	*	14.3	10.2	*	14.3	13.7	*
Hysterectomy	8	12.5	1.3	*	12.5	2.8	*	12.5	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Greenville Regional Hospital®
110 North Main Street
Greenville, Pennsylvania 16125-1795
(412) 588-2100

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Greenville Regional Hospital is pleased to respond to the release of our 1989 Mortality data. Although we continue to use mortality information as part of our quality assurance process, we believe that, alone, it is not a meaningful guide to the quality of care provided to our patients. Furthermore, this report includes deaths that occurred after discharge from the hospital, which could be totally unrelated to the care provided here.

In reviewing our 1989 mortality rates, we paid special attention to those diagnostic and procedure categories where our volumes were too small to provide adequate statistical analysis. Our review of these deaths revealed no quality of care problems. In fact, since 1987 when Health Care Financing Administration started reporting this data, Greenville Regional Hospital mortality rates have continued to be within the projected ranges.

We are including with our comments the 1989 predicted ranges of mortality rates as well as Greenville Regional Hospital's actual mortality rates. We believe these ranges demonstrate that the observed mortality rates were all within expected ranges and provide consumers with a more understandable display of the data.

Sincerely,

J. William Eddy,
President

HAHNEMANN UNIVERSITY HOSPITAL

230 N Broad St
Philadelphia, PA 19102

Medicare Provider Number: 390051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,461	8.2	7.6	0.6	13.9	12.2	1.1	16.6	15.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	39	20.5	24.5	*	28.2	28.7	*	28.2	32.3	*
Congestive Heart Failure	79	3.8	15.2	5.5	8.9	24.4	6.9	16.5	31.8	7.2
Pneumonia/Influenza	32	21.9	15.4	*	34.4	21.1	*	40.6	25.8	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.7	*	12.5	16.5	*	12.5	24.9	*
Transient Cerebral Ischemia	16	0.0	1.9	*	0.0	4.2	*	0.0	6.5	*
Stroke	62	21.0	19.4	5.2	29.0	26.5	10.1	35.5	31.0	10.2
Hip Fracture	32	9.4	6.6	*	18.8	12.3	*	25.0	16.3	*
Sepsis	18	44.4	28.5	*	61.1	40.3	*	66.7	47.9	*
PROCEDURES:										
Angioplasty	71	1.4	2.1	1.9	1.4	2.9	2.4	1.4	3.9	3.1
Coronary Artery Bypass Graft	291	7.6	5.0	2.6	10.0	7.8	2.5	11.0	9.6	2.5
Initial Pacemaker Insertion	19	5.3	2.8	*	5.3	5.3	*	5.3	7.6	*
Carotid Endarterectomy	5	0.0	1.5	*	0.0	3.4	*	0.0	5.4	*
Hip Replacement/Reconstruction	33	0.0	2.1	*	6.1	4.1	*	9.1	5.8	*
Open Reduction of Hip Fracture	12	8.3	6.3	*	25.0	11.8	*	41.7	15.5	*
Prostatectomy	49	0.0	1.2	*	6.1	3.1	*	8.2	5.3	*
Cholecystectomy	25	0.0	4.1	*	8.0	8.1	*	12.0	11.3	*
Hysterectomy	5	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 567
Occupancy Rate 85
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 520
Percent of Physicians Board Certified Specialists 84
Medical Residents/Interns 340
Registered Nurses 664
Licensed Practical Nurses 33

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

HAHNEMANN UNIVERSITY HOSPITAL

Medicare Provider Number: 390051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,380	6.8	8.4	0.8	12.7	13.4	0.9	16.3	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	46	28.3	28.5	*	34.8	32.5	*	34.8	36.3	*
Congestive Heart Failure	77	3.9	14.6	5.3	13.0	22.7	6.7	22.1	29.3	7.3
Pneumonia/Influenza	34	2.9	17.1	*	11.8	24.2	*	14.7	29.2	*
Chronic Obstructive Pulmonary Disease	11	0.0	10.6	*	0.0	19.6	*	0.0	27.7	*
Transient Cerebral Ischemia	16	0.0	1.5	*	0.0	3.1	*	0.0	4.7	*
Stroke	52	9.6	18.3	7.8	23.1	25.3	7.9	26.9	29.9	6.6
Hip Fracture	19	10.5	6.9	*	15.8	12.1	*	26.3	15.3	*
Sepsis	16	37.5	31.9	*	43.8	42.1	*	50.0	49.2	*
PROCEDURES:										
Angioplasty	83	2.4	2.8	1.8	2.4	3.7	2.4	2.4	4.9	3.3
Coronary Artery Bypass Graft	243	6.6	5.2	2.8	8.6	8.4	2.5	9.5	10.6	3.1
Initial Pacemaker Insertion	28	10.7	6.0	*	21.4	10.2	*	25.0	13.6	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	35	2.9	1.7	*	2.9	3.1	*	8.6	4.3	*
Open Reduction of Hip Fracture	8	12.5	6.6	*	25.0	12.4	*	25.0	16.1	*
Prostatectomy	68	0.0	1.3	1.9	1.5	3.1	3.2	7.4	4.9	3.5
Cholecystectomy	16	0.0	1.6	*	0.0	3.1	*	0.0	4.2	*
Hysterectomy	9	0.0	0.5	*	11.1	1.1	*	11.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,347	8.4	9.1	0.8	14.3	14.3	1.0	18.6	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	27.8	29.4	6.9	30.6	33.7	6.5	33.3	37.5	7.8
Congestive Heart Failure	76	14.5	16.3	4.7	25.0	24.9	5.0	32.9	32.0	6.1
Pneumonia/Influenza	30	13.3	17.5	*	23.3	23.9	*	30.0	28.8	*
Chronic Obstructive Pulmonary Disease	15	6.7	10.6	*	13.3	17.7	*	13.3	23.5	*
Transient Cerebral Ischemia	15	0.0	1.6	*	0.0	3.4	*	0.0	5.2	*
Stroke	49	22.4	22.2	*	30.6	29.7	*	34.7	34.2	*
Hip Fracture	37	8.1	8.1	*	13.5	14.5	*	21.6	18.6	*
Sepsis	21	38.1	34.3	*	61.9	44.4	*	66.7	51.1	*
PROCEDURES:										
Angioplasty	52	1.9	3.3	3.5	1.9	4.9	4.4	1.9	6.5	5.3
Coronary Artery Bypass Graft	200	8.0	5.9	2.3	11.5	8.9	2.8	13.5	10.7	3.7
Initial Pacemaker Insertion	23	4.3	3.4	*	4.3	7.5	*	13.0	11.5	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	3.1	*	0.0	4.7	*
Hip Replacement/Reconstruction	31	3.2	2.0	*	3.2	4.2	*	3.2	6.2	*
Open Reduction of Hip Fracture	14	14.3	8.5	*	21.4	16.1	*	35.7	21.1	*
Prostatectomy	48	4.2	1.7	*	6.3	4.1	*	6.3	6.6	*
Cholecystectomy	19	0.0	2.1	*	15.8	3.8	*	26.3	5.0	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

157.1

120

Hahnemann University Hospital

Louis R. Giancola
Hospital Director

215 448 4550

Broad & Vine
Philadelphia, PA
19102-1192

Mail Stop 300

January 14, 1990

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing Administration
Department of Health & Human Services

Provider #390051

Dear Dr. Wilensky:

Hahnemann University Hospital is a 616-bed acute care facility located in Center City Philadelphia. We provide specialized tertiary care services to a wide referral area and are a major referral center for many specialties, most notably cardiology, oncology, nephrology and trauma. We treat many patients with significant medical and surgical illnesses as evidenced by our Medicare case mix index (2.02), which was the highest in the State of Pennsylvania and among the highest in the nation during FY 89. Many of our patients are transferred from other hospitals for specialized care. We also tend to accept high-risk patients who have been turned away elsewhere.

As a university hospital accredited by the Joint Commission on Accreditation of Healthcare Organizations, Hahnemann, along with its governing body, management and medical staff, has the utmost concern for the quality of care provided to our patients. We have in place an ongoing program that monitors and evaluates patient care. Mortality review is an important aspect of our program and one of the many methodologies utilized in peer review activities. These activities are geared toward the identification of opportunities to improve care.

Mortality rates alone are not a direct measure of quality care. A mortality rate higher than predicted does not confirm the existence of quality problems, just as a mortality rate lower than predicted does not mean that a hospital provides high quality care. We commend HCFA for including age and major co-morbidities in the mortality model. However, the model does not take into account several proven predictors of mortality such as socioeconomic status or disease-specific risk factors (these tend to be greater for patients referred to a tertiary care hospital).

In categories where there was a significant number of cases for meaningful interpretation, Hahnemann University Hospital's observed mortality was within the bounds for the 95 percent prediction interval. Through our ongoing monitoring activities, acquisition of state-of-the-art equipment and continual upgrading and expansion of our facility, we strive every day to provide the best care possible to each of our patients.

We would like to thank HCFA for the opportunity to comment on the release of Medicare mortality data.

Sincerely,

Louis R. Giancola
Senior Vice President &
Chief Health Services Officer

HAMOT MEDICAL CENTER

201 State St
Erie, PA 16550

Medicare Provider Number: 390063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,225	8.2	8.1	0.7	12.8	12.5	0.8	16.4	15.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	56	32.1	26.3	10.6	35.7	29.4	10.6	39.3	32.7	10.9
Congestive Heart Failure	162	15.4	14.6	3.1	24.1	22.9	4.0	32.7	29.6	5.3
Pneumonia/Influenza	98	15.3	16.5	3.9	23.5	22.5	6.3	24.5	27.2	5.4
Chronic Obstructive Pulmonary Disease	27	3.7	9.5	*	11.1	15.8	*	14.8	21.0	*
Transient Cerebral Ischemia	66	1.5	1.9	2.2	3.0	4.0	4.8	9.1	6.3	5.4
Stroke	94	21.3	20.0	4.3	26.6	27.0	4.7	30.9	31.4	4.8
Hip Fracture	71	5.6	6.9	3.3	15.5	12.4	4.7	21.1	16.2	6.4
Sepsis	23	26.1	30.1	*	34.8	38.7	*	39.1	45.9	*
PROCEDURES:										
Angioplasty	74	4.1	2.6	2.2	4.1	3.7	3.0	5.4	4.9	3.4
Coronary Artery Bypass Graft	120	2.5	4.3	2.0	6.7	6.7	2.7	9.2	8.2	2.5
Initial Pacemaker Insertion	34	0.0	4.5	*	2.9	7.9	*	5.9	10.8	*
Carotid Endarterectomy	23	8.7	1.5	*	8.7	3.0	*	8.7	4.7	*
Hip Replacement/Reconstruction	70	2.9	2.5	3.7	7.1	4.8	4.7	8.6	6.5	4.5
Open Reduction of Hip Fracture	30	3.3	6.3	*	16.7	11.8	*	20.0	15.6	*
Prostatectomy	86	1.2	1.1	1.2	2.3	2.6	2.2	5.8	4.4	3.1
Cholecystectomy	52	7.7	3.6	4.0	11.5	6.3	5.6	13.5	8.6	6.3
Hysterectomy	18	0.0	0.6	*	5.6	1.2	*	5.6	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	482
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	213
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	28
Registered Nurses	500
Licensed Practical Nurses	123

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HAMOT MEDICAL CENTER

Medicare Provider Number: 390063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,392	7.3	7.9	0.7	11.5	12.1	1.0	14.6	15.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	81	22.2	27.7	9.2	24.7	31.1	8.1	32.1	34.6	6.0
Congestive Heart Failure	142	11.3	15.5	4.9	19.0	24.0	5.0	21.1	31.0	5.3
Pneumonia/Influenza	87	14.9	17.9	4.6	18.4	24.3	6.0	21.8	29.3	7.3
Chronic Obstructive Pulmonary Disease	41	2.4	6.7	*	4.9	11.5	*	9.8	15.8	*
Transient Cerebral Ischemia	59	0.0	1.9	2.5	1.7	4.0	3.8	3.4	6.3	5.3
Stroke	96	19.8	21.0	4.3	27.1	28.2	6.0	29.2	32.9	6.6
Hip Fracture	73	5.5	7.4	3.8	9.6	13.2	6.0	15.1	16.8	5.0
Sepsis	24	25.0	33.2	*	45.8	42.1	*	45.8	49.0	*
PROCEDURES:										
Angioplasty	84	2.4	4.5	3.2	2.4	5.5	3.3	4.8	6.7	3.4
Coronary Artery Bypass Graft	131	5.3	5.7	3.0	7.6	8.4	3.5	9.9	10.1	2.7
Initial Pacemaker Insertion	26	7.7	7.3	*	23.1	11.5	*	23.1	15.2	*
Carotid Endarterectomy	29	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	87	5.7	3.0	3.2	6.9	5.5	3.1	9.2	7.0	4.0
Open Reduction of Hip Fracture	23	0.0	6.4	*	8.7	12.4	*	17.4	16.4	*
Prostatectomy	95	0.0	0.9	1.3	1.1	2.3	1.9	2.1	3.7	2.4
Cholecystectomy	49	4.1	4.0	*	4.1	7.0	*	4.1	8.9	*
Hysterectomy	23	0.0	1.1	*	4.3	2.4	*	4.3	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,281	8.2	7.8	0.6	12.0	12.0	0.7	15.5	15.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	90	31.1	26.0	6.5	34.4	29.3	5.9	35.6	32.6	5.3
Congestive Heart Failure	150	14.0	15.6	3.1	20.0	23.8	4.4	27.3	30.7	4.8
Pneumonia/Influenza	75	20.0	19.3	4.7	25.3	26.1	7.4	28.0	31.2	8.8
Chronic Obstructive Pulmonary Disease	39	7.7	9.1	*	12.8	15.1	*	23.1	20.2	*
Transient Cerebral Ischemia	57	1.8	1.8	1.9	1.8	3.8	2.9	1.8	6.0	4.3
Stroke	121	18.2	19.9	5.8	26.4	27.2	4.5	31.4	31.8	4.3
Hip Fracture	51	5.9	6.2	3.5	9.8	11.3	4.6	11.8	14.9	6.6
Sepsis	17	29.4	29.2	*	29.4	37.1	*	35.3	43.5	*
PROCEDURES:										
Angioplasty	70	2.9	3.8	2.7	4.3	4.7	2.8	5.7	5.7	2.9
Coronary Artery Bypass Graft	121	13.2	5.7	4.7	16.5	8.1	4.8	17.4	9.5	4.6
Initial Pacemaker Insertion	36	5.6	3.2	*	8.3	6.8	*	8.3	10.3	*
Carotid Endarterectomy	26	0.0	1.4	*	0.0	2.6	*	3.8	3.8	*
Hip Replacement/Reconstruction	64	0.0	2.1	2.7	1.6	4.3	3.5	3.1	5.8	3.7
Open Reduction of Hip Fracture	25	12.0	5.8	*	16.0	11.2	*	20.0	15.0	*
Prostatectomy	113	1.8	1.1	1.2	1.8	2.6	1.8	5.3	4.4	2.2
Cholecystectomy	51	0.0	2.7	3.3	7.8	4.9	4.0	7.8	6.6	3.9
Hysterectomy	22	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Hamot

Hamot Medical Center
201 State Street
Erie PA 16550-0001
814 870-6000

January 15, 1991

Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We sincerely appreciate the opportunity to comment on the Medicare analysis of hospital mortality rates. Using the standard deviation calculation suggested by HCFA, Hamot fell within the 95% confidence range for every category listed. In several categories, the volumes measured were too low to make comparisons.

One significant change under the hospital characteristics should be noted. Hamot does have medical/surgical intensive care. The listing indicates that we do not.

We would also like to suggest that any information released to the PROs be submitted to the hospitals simultaneously .

Sincerely,

John Malone
President, Hamot Medical Center

HANOVER GENERAL HOSPITAL

300 Highland Ave
Hanover, PA 17331

Medicare Provider Number: 390233

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,623	8.2	10.4	1.2	13.7	15.4	1.3	16.5	19.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	89	21.3	30.0	8.0	23.6	33.4	8.3	28.1	36.9	8.3
Congestive Heart Failure	116	12.1	15.9	5.8	23.3	24.5	5.3	30.2	31.5	4.5
Pneumonia/Influenza	73	11.0	16.4	6.4	16.4	22.5	8.6	17.8	27.2	9.9
Chronic Obstructive Pulmonary Disease	30	6.7	6.5	*	10.0	12.1	*	16.7	17.0	*
Transient Cerebral Ischemia	26	0.0	1.7	*	3.8	3.7	*	3.8	5.9	*
Stroke	76	26.3	21.5	6.1	30.3	27.8	6.1	32.9	32.1	5.4
Hip Fracture	44	4.5	6.7	*	9.1	11.9	*	11.4	15.4	*
Sepsis	25	16.0	21.1	*	28.0	27.6	*	32.0	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	6.9	*	16.7	9.9	*	16.7	12.6	*
Carotid Endarterectomy	5	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	35	0.0	1.8	*	0.0	3.4	*	2.9	4.6	*
Open Reduction of Hip Fracture	25	8.0	6.5	*	16.0	11.9	*	16.0	15.5	*
Prostatectomy	98	1.0	0.9	1.2	2.0	2.1	2.2	2.0	3.5	3.2
Cholecystectomy	39	2.6	3.6	*	10.3	6.4	*	10.3	8.1	*
Hysterectomy	19	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	201
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	66
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	135
Licensed Practical Nurses	63

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HANOVER GENERAL HOSPITAL

Medicare Provider Number: 390233

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,634	8.9	10.6	1.1	14.1	15.4	1.4	17.0	19.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	89	23.6	29.5	9.8	30.3	32.5	9.2	32.6	36.1	7.4
Congestive Heart Failure	100	14.0	16.7	4.4	24.0	25.6	5.5	29.0	32.9	6.7
Pneumonia/Influenza	72	11.1	18.3	6.1	23.6	25.0	6.8	30.6	30.1	5.7
Chronic Obstructive Pulmonary Disease	30	10.0	11.2	*	20.0	18.7	*	23.3	24.5	*
Transient Cerebral Ischemia	32	0.0	2.3	*	6.3	5.3	*	9.4	8.6	*
Stroke	78	16.7	22.2	8.7	24.4	29.0	8.4	28.2	33.4	8.2
Hip Fracture	52	9.6	7.1	4.4	11.5	12.7	4.7	15.4	16.4	5.6
Sepsis	15	20.0	24.9	*	20.0	31.1	*	20.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.1	*	0.0	6.0	*	0.0	8.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	31	3.2	3.1	*	3.2	6.0	*	3.2	8.0	*
Open Reduction of Hip Fracture	25	16.0	7.2	*	20.0	13.8	*	24.0	18.1	*
Prostatectomy	88	1.1	1.2	1.3	1.1	2.4	2.0	2.3	3.8	2.4
Cholecystectomy	36	2.8	3.3	*	2.8	6.2	*	5.6	8.3	*
Hysterectomy	17	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,417	9.4	10.9	1.0	14.4	15.8	1.1	17.6	19.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	86	31.4	35.9	5.5	37.2	39.3	5.4	39.5	43.2	5.6
Congestive Heart Failure	109	7.3	17.1	5.2	13.8	25.6	5.9	24.8	32.4	5.8
Pneumonia/Influenza	34	17.6	15.6	*	20.6	21.3	*	23.5	25.8	*
Chronic Obstructive Pulmonary Disease	40	5.0	11.7	*	12.5	19.1	*	22.5	24.6	*
Transient Cerebral Ischemia	25	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
Stroke	62	16.1	21.2	5.9	21.0	28.1	7.9	22.6	32.5	8.7
Hip Fracture	46	4.3	7.2	*	10.9	12.6	*	10.9	16.1	*
Sepsis	8	37.5	27.1	*	37.5	35.2	*	50.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	5.7	*	7.7	9.3	*	7.7	12.5	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	34	0.0	3.2	*	8.8	5.8	*	8.8	7.5	*
Open Reduction of Hip Fracture	21	4.8	6.2	*	9.5	11.6	*	9.5	15.1	*
Prostatectomy	84	1.2	1.7	1.6	4.8	3.8	2.4	4.8	5.9	6.0
Cholecystectomy	30	3.3	2.7	*	6.7	4.4	*	6.7	5.4	*
Hysterectomy	14	0.0	1.0	*	0.0	2.1	*	7.1	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HARRISBURG HOSPITAL

South Front St
Harrisburg, PA 17101

Medicare Provider Number: 390098

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,290	11.2	9.5	1.0	16.0	14.5	1.0	19.8	18.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	127	28.3	25.3	7.5	33.1	28.9	7.9	36.2	32.3	7.5
Congestive Heart Failure	193	13.0	15.2	4.6	20.7	23.4	3.8	28.5	30.2	3.6
Pneumonia/Influenza	118	26.3	19.3	5.3	33.1	25.7	6.1	34.7	30.8	5.3
Chronic Obstructive Pulmonary Disease	37	21.6	10.1	*	29.7	17.4	*	32.4	23.4	*
Transient Cerebral Ischemia	62	0.0	2.1	*	0.0	4.7	*	1.6	7.5	*
Stroke	115	23.5	23.2	4.1	31.3	30.2	5.0	34.8	34.8	4.9
Hip Fracture	78	11.5	7.9	4.8	16.7	14.0	4.6	16.7	18.0	6.4
Sepsis	35	34.3	32.4	*	42.9	39.8	*	54.3	46.5	*
PROCEDURES:										
Angioplasty	72	1.4	2.4	2.0	1.4	3.2	2.4	2.8	4.1	2.6
Coronary Artery Bypass Graft	108	13.0	6.0	4.3	14.8	9.0	4.2	16.7	10.8	4.4
Initial Pacemaker Insertion	24	4.2	3.9	*	4.2	7.0	*	4.2	9.5	*
Carotid Endarterectomy	24	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	55	3.6	3.0	2.4	3.6	5.8	3.9	5.5	7.9	5.2
Open Reduction of Hip Fracture	39	10.3	7.9	*	20.5	14.5	*	20.5	18.8	*
Prostatectomy	78	7.7	1.9	4.6	9.0	4.8	3.6	12.8	7.8	4.8
Cholecystectomy	60	5.0	3.5	2.5	10.0	6.4	3.5	15.0	8.4	4.4
Hysterectomy	21	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 411
Occupancy Rate 73
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 385
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 35
Registered Nurses 514
Licensed Practical Nurses 74

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

HARRISBURG HOSPITAL

Medicare Provider Number: 390098

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,446	9.5	9.8	0.5	14.5	14.7	0.7	18.3	18.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	134	23.1	25.4	4.2	28.4	29.1	4.0	34.3	32.4	4.4
Congestive Heart Failure	185	11.9	16.7	4.1	20.5	25.0	4.3	30.8	31.7	3.6
Pneumonia/Influenza	115	18.3	19.1	4.2	26.1	25.1	4.3	31.3	29.9	4.6
Chronic Obstructive Pulmonary Disease	54	9.3	9.0	4.2	22.2	15.2	6.1	31.5	20.6	9.0
Transient Cerebral Ischemia	69	1.4	2.1	1.8	5.8	4.5	4.0	5.8	7.1	4.9
Stroke	153	23.5	23.3	3.7	28.1	30.3	4.1	32.7	35.1	4.9
Hip Fracture	84	3.6	7.3	5.2	7.1	13.4	7.1	11.9	17.3	7.0
Sepsis	33	30.3	33.4	*	42.4	41.2	*	45.5	47.9	*
PROCEDURES:										
Angioplasty	59	3.4	4.3	3.2	3.4	5.2	3.3	3.4	6.2	3.9
Coronary Artery Bypass Graft	120	9.2	6.4	3.5	10.8	8.9	4.4	12.5	10.3	4.3
Initial Pacemaker Insertion	37	5.4	3.9	*	5.4	7.0	*	5.4	9.9	*
Carotid Endarterectomy	44	2.3	1.4	*	2.3	2.7	*	2.3	4.0	*
Hip Replacement/Reconstruction	59	1.7	2.5	2.5	1.7	4.7	3.7	5.1	6.1	3.5
Open Reduction of Hip Fracture	43	0.0	7.4	*	4.7	14.4	*	9.3	19.0	*
Prostatectomy	95	0.0	1.1	1.4	0.0	2.7	2.8	2.1	4.4	2.9
Cholecystectomy	57	3.5	2.3	2.7	5.3	4.3	3.2	5.3	5.7	3.7
Hysterectomy	20	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,161	9.7	9.5	0.8	14.4	14.4	0.8	18.3	18.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	109	26.6	24.7	5.3	30.3	27.9	5.5	33.9	31.1	6.1
Congestive Heart Failure	176	17.0	17.4	4.2	25.0	26.2	3.9	33.5	33.4	3.9
Pneumonia/Influenza	111	27.9	19.8	6.5	36.0	26.4	7.6	40.5	31.8	7.6
Chronic Obstructive Pulmonary Disease	42	4.8	9.8	*	14.3	16.8	*	19.0	22.3	*
Transient Cerebral Ischemia	60	3.3	2.1	2.3	5.0	4.6	2.7	8.3	7.1	4.1
Stroke	100	19.0	21.2	5.2	24.0	27.9	6.9	28.0	32.4	6.5
Hip Fracture	76	3.9	6.8	5.4	7.9	12.2	7.5	10.5	15.8	8.7
Sepsis	38	47.4	38.7	*	55.3	47.8	*	63.2	55.5	*
PROCEDURES:										
Angioplasty	40	7.5	4.0	*	12.5	5.6	*	15.0	6.8	*
Coronary Artery Bypass Graft	97	4.1	6.3	3.3	8.2	8.2	3.2	8.2	9.4	3.1
Initial Pacemaker Insertion	26	7.7	2.7	*	11.5	5.4	*	19.2	7.9	*
Carotid Endarterectomy	27	0.0	1.8	*	3.7	3.4	*	3.7	5.0	*
Hip Replacement/Reconstruction	54	1.9	2.6	3.0	3.7	4.9	3.8	5.6	6.5	3.5
Open Reduction of Hip Fracture	49	4.1	6.2	*	8.2	11.6	*	10.2	15.3	*
Prostatectomy	85	0.0	1.3	1.5	0.0	3.3	2.9	3.5	5.4	3.2
Cholecystectomy	58	3.4	3.0	2.6	5.2	5.4	3.9	5.2	7.2	4.7
Hysterectomy	22	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HAVERFORD GENERAL HOSPITAL

2000 Old West Chester Pike
Havertown, PA 19083

Medicare Provider Number: 390215

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	965	10.5	10.3	1.1	15.9	15.5	1.2	19.5	19.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	44	34.1	32.2	*	36.4	35.9	*	38.6	39.2	*
Congestive Heart Failure	58	13.8	16.8	6.3	20.7	26.2	8.1	34.5	33.6	6.8
Pneumonia/Influenza	34	20.6	15.4	*	26.5	20.7	*	26.5	25.1	*
Chronic Obstructive Pulmonary Disease	14	7.1	5.3	*	21.4	10.6	*	21.4	15.6	*
Transient Cerebral Ischemia	27	3.7	2.1	*	11.1	4.7	*	18.5	7.7	*
Stroke	40	15.0	21.6	*	30.0	29.0	*	32.5	33.6	*
Hip Fracture	25	0.0	6.1	*	0.0	10.9	*	0.0	14.3	*
Sepsis	10	50.0	27.6	*	50.0	33.5	*	50.0	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.0	*	0.0	8.7	*	25.0	13.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	3.1	*	0.0	6.2	*	0.0	8.6	*
Open Reduction of Hip Fracture	14	0.0	6.3	*	0.0	11.7	*	0.0	15.3	*
Prostatectomy	25	4.0	1.5	*	4.0	3.9	*	8.0	6.4	*
Cholecystectomy	12	8.3	1.5	*	8.3	2.5	*	8.3	3.1	*
Hysterectomy	6	0.0	0.8	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 103
Occupancy Rate 58
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 206
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 0
Registered Nurses 58
Licensed Practical Nurses 9

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HAVERFORD GENERAL HOSPITAL

Medicare Provider Number: 390215

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	966	10.2	10.8	1.1	15.8	16.0	1.5	20.3	19.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	36	36.1	32.2	*	38.9	36.2	*	52.8	40.2	*
Congestive Heart Failure	58	13.8	15.7	4.9	27.6	23.6	6.5	36.2	30.1	9.1
Pneumonia/Influenza	37	18.9	17.8	*	32.4	23.7	*	32.4	28.4	*
Chronic Obstructive Pulmonary Disease	15	6.7	7.9	*	13.3	14.3	*	13.3	19.8	*
Transient Cerebral Ischemia	32	0.0	1.7	*	3.1	3.6	*	3.1	5.7	*
Stroke	45	15.6	21.1	*	28.9	28.7	*	33.3	33.4	*
Hip Fracture	20	10.0	10.3	*	30.0	17.9	*	35.0	22.3	*
Sepsis	8	50.0	37.6	*	62.5	46.1	*	62.5	52.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	9.7	*	10.0	12.9	*	10.0	16.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	3.4	*	8.3	6.0	*	8.3	7.6	*
Open Reduction of Hip Fracture	14	7.1	8.5	*	28.6	15.3	*	28.6	19.4	*
Prostatectomy	33	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	6	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Hysterectomy	6	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	867	12.0	10.3	1.8	18.6	15.5	1.7	22.7	19.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	34	38.2	32.1	*	44.1	35.4	*	52.9	38.9	*
Congestive Heart Failure	50	16.0	16.7	*	22.0	25.8	*	34.0	33.3	*
Pneumonia/Influenza	37	24.3	16.4	*	27.0	22.2	*	35.1	26.9	*
Chronic Obstructive Pulmonary Disease	19	21.1	6.9	*	36.8	13.6	*	42.1	19.1	*
Transient Cerebral Ischemia	26	0.0	2.4	*	0.0	5.4	*	3.8	8.5	*
Stroke	40	20.0	24.3	*	35.0	32.3	*	37.5	37.2	*
Hip Fracture	20	5.0	6.0	*	5.0	11.2	*	10.0	14.8	*
Sepsis	10	30.0	28.2	*	30.0	35.5	*	40.0	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	4.4	*	11.1	8.3	*	11.1	11.0	*
Open Reduction of Hip Fracture	11	0.0	5.1	*	0.0	10.3	*	9.1	14.1	*
Prostatectomy	34	0.0	1.3	*	2.9	3.1	*	5.9	5.0	*
Cholecystectomy	8	0.0	4.6	*	12.5	8.8	*	12.5	12.0	*
Hysterectomy	6	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HAZLETON GENERAL HOSPITAL

700 E Broad St
Hazleton, PA 18201

Medicare Provider Number: 390185

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,540	10.3	10.1	0.8	16.4	15.1	1.1	21.4	19.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	70	22.9	26.9	5.6	31.4	31.0	6.3	37.1	34.7	5.9
Congestive Heart Failure	96	20.8	14.8	4.7	31.3	23.1	5.6	39.6	30.0	7.0
Pneumonia/Influenza	78	9.0	15.9	5.4	23.1	21.7	4.7	29.5	26.4	5.7
Chronic Obstructive Pulmonary Disease	13	23.1	8.6	*	30.8	14.8	*	30.8	20.1	*
Transient Cerebral Ischemia	26	3.8	1.6	*	7.7	3.5	*	7.7	5.6	*
Stroke	65	24.6	19.5	7.5	33.8	25.5	9.0	36.9	29.8	11.8
Hip Fracture	29	0.0	5.4	*	6.9	9.6	*	6.9	12.5	*
Sepsis	13	30.8	28.1	*	38.5	37.5	*	38.5	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	3.7	*	9.1	6.9	*	9.1	9.8	*
Carotid Endarterectomy	1	0.0	1.9	*	0.0	3.4	*	0.0	5.2	*
Hip Replacement/Reconstruction	20	0.0	2.8	*	10.0	5.1	*	10.0	6.7	*
Open Reduction of Hip Fracture	17	0.0	4.6	*	0.0	8.6	*	0.0	11.3	*
Prostatectomy	36	2.8	1.3	*	2.8	3.2	*	2.8	5.2	*
Cholecystectomy	25	0.0	3.1	*	4.0	4.8	*	4.0	5.8	*
Hysterectomy	2	0.0	1.4	*	0.0	3.2	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 130
Occupancy Rate 80
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 86
Percent of Physicians Board Certified Specialists 52
Medical Residents/Interns 0
Registered Nurses 112
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HAZLETON GENERAL HOSPITAL

Medicare Provider Number: 390185

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,626	9.8	9.7	0.8	16.1	14.5	1.4	20.4	18.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	60	26.7	24.5	5.9	30.0	27.5	6.4	31.7	30.9	6.0
Congestive Heart Failure	95	15.8	15.4	3.8	30.5	23.4	5.7	35.8	30.1	5.8
Pneumonia/Influenza	76	18.4	16.9	6.4	27.6	23.1	7.9	32.9	28.0	10.6
Chronic Obstructive Pulmonary Disease	20	10.0	8.4	*	10.0	14.0	*	10.0	18.9	*
Transient Cerebral Ischemia	44	0.0	2.2	*	4.5	5.0	*	9.1	8.0	*
Stroke	76	22.4	21.9	4.8	30.3	28.6	5.5	32.9	33.2	5.6
Hip Fracture	44	4.5	6.4	*	15.9	12.1	*	20.5	16.0	*
Sepsis	22	18.2	30.0	*	31.8	37.8	*	45.5	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	20.0	6.5	*	20.0	11.1	*	30.0	15.4	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	21	9.5	2.7	*	14.3	5.2	*	14.3	7.0	*
Open Reduction of Hip Fracture	29	3.4	6.0	*	13.8	11.9	*	20.7	16.2	*
Prostatectomy	46	4.3	2.2	*	4.3	4.7	*	6.5	7.1	*
Cholecystectomy	28	0.0	3.5	*	3.6	6.5	*	7.1	8.9	*
Hysterectomy	7	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,506	9.1	9.7	0.9	14.2	14.5	0.9	18.6	18.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	60	38.3	29.3	8.1	43.3	32.5	9.0	45.0	35.7	8.7
Congestive Heart Failure	104	11.5	15.1	6.6	16.3	22.9	7.2	23.1	29.5	8.1
Pneumonia/Influenza	44	6.8	18.9	*	11.4	25.8	*	15.9	31.3	*
Chronic Obstructive Pulmonary Disease	16	6.3	11.0	*	6.3	17.9	*	12.5	23.6	*
Transient Cerebral Ischemia	54	5.6	2.2	2.5	11.1	5.0	4.1	20.4	7.8	5.5
Stroke	65	16.9	20.7	6.1	27.7	26.9	5.6	30.8	31.2	6.0
Hip Fracture	59	3.4	5.4	3.2	6.8	9.7	5.1	6.8	12.8	5.9
Sepsis	5	40.0	35.0	*	40.0	44.0	*	60.0	50.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	10.5	4.1	*	10.5	7.3	*	15.8	9.9	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.6	*
Hip Replacement/Reconstruction	29	0.0	3.7	*	3.4	7.1	*	3.4	9.7	*
Open Reduction of Hip Fracture	35	2.9	5.1	*	5.7	9.5	*	5.7	12.6	*
Prostatectomy	45	0.0	1.4	*	2.2	3.4	*	6.7	5.5	*
Cholecystectomy	21	0.0	2.5	*	0.0	4.1	*	0.0	5.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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HAZLETON GENERAL HOSPITAL

700 EAST BROAD STREET, HAZLETON, PA 18201 • 717 450-4357

January 14, 1991

Health Standards & Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

ATT: Mrs. Sandra Kappert

Dear Mrs. Kappert:

Hazleton General Hospital is pleased to comment on the HCFA Mortality Data on our institution. Most data presented from HCFA have been previously evaluated as part of an ongoing concurrent review of hospital deaths. The variant introduced by the HCFA data is the inclusion of all death data including those occurring inside and outside of the hospital without regard to non-disease-driven factors.

The statistical methods used attempt to fit diverse parameters into a reliable, easily described mathematical curve capable of "predicting the likelihood of death" subsequent to a hospitalization. Only one hospitalization was chosen from the many that a patient may have incurred during the cited Fiscal Year period. Of course. this was done to simplify the data presented. However, it is the very diversity of the data that makes predictions so hazardous.

As an alternative, in addition to the kind of data generated by HCFA, our institution evaluates outcome regarding each patient hospitalized here, using Medisgroup Data to "feedback" to the Medical Staff all information relevant to patient outcome.

We welcome this opportunity to review our hospital's data with our peers and the general public.

Sincerely,

James Caggiano, M.D.
Physician Advisor
Utilization Management

/mjz
cc: File

HAZLETON-ST JOSEPH MEDICAL CENTER

687 N Church St
Hazleton, PA 18201

Medicare Provider Number: 390054

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,359	9.1	9.1	0.8	14.2	13.7	1.1	16.9	17.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	53	26.4	24.1	6.2	28.3	27.5	6.2	28.3	30.9	6.8
Congestive Heart Failure	84	10.7	14.8	5.5	17.9	22.9	7.2	26.2	29.6	8.1
Pneumonia/Influenza	52	17.3	16.5	5.2	25.0	22.4	6.2	34.6	27.3	8.7
Chronic Obstructive Pulmonary Disease	27	7.4	5.1	*	7.4	9.4	*	7.4	13.4	*
Transient Cerebral Ischemia	48	2.1	1.4	*	8.3	3.1	*	12.5	5.0	*
Stroke	49	22.4	20.8	*	28.6	26.9	*	32.7	31.3	*
Hip Fracture	28	3.6	7.9	*	14.3	14.6	*	21.4	18.9	*
Sepsis	9	33.3	33.2	*	33.3	41.1	*	33.3	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.8	*	0.0	7.0	*	8.3	9.7	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	10	0.0	3.2	*	0.0	6.2	*	0.0	8.5	*
Open Reduction of Hip Fracture	17	5.9	7.8	*	23.5	15.0	*	29.4	19.7	*
Prostatectomy	38	0.0	1.2	*	2.6	3.0	*	5.3	5.1	*
Cholecystectomy	21	0.0	3.6	*	9.5	6.8	*	9.5	9.2	*
Hysterectomy	15	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 147
Occupancy Rate 59
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 106
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 105
Licensed Practical Nurses 38

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HAZLETON-ST JOSEPH MEDICAL CENTER

Medicare Provider Number: 390054

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,543	10.4	9.6	0.9	15.0	14.3	1.1	18.2	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	66	31.8	25.7	7.9	31.8	28.8	8.1	31.8	32.2	9.0
Congestive Heart Failure	103	16.5	15.9	6.1	30.1	24.2	8.3	35.0	31.1	8.3
Pneumonia/Influenza	64	18.8	17.8	5.9	25.0	24.1	8.1	34.4	29.0	11.7
Chronic Obstructive Pulmonary Disease	17	11.8	6.8	*	11.8	12.1	*	17.6	16.6	*
Transient Cerebral Ischemia	49	4.1	1.8	*	4.1	3.9	*	6.1	6.1	*
Stroke	62	29.0	21.4	9.0	38.7	28.1	8.7	38.7	32.8	7.5
Hip Fracture	36	8.3	7.6	*	13.9	13.7	*	19.4	17.6	*
Sepsis	11	54.5	39.2	*	63.6	45.9	*	63.6	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	6.2	*	13.3	10.3	*	13.3	13.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	6.0	*	0.0	10.9	*	0.0	13.8	*
Open Reduction of Hip Fracture	25	8.0	6.9	*	16.0	13.2	*	20.0	17.4	*
Prostatectomy	64	0.0	1.7	2.1	1.6	4.0	3.2	3.1	6.3	4.0
Cholecystectomy	18	5.6	1.8	*	5.6	2.9	*	5.6	3.6	*
Hysterectomy	8	0.0	1.3	*	0.0	3.0	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,567	8.3	9.1	0.9	12.3	13.6	1.2	15.5	17.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	51	17.6	25.0	10.3	23.5	28.8	11.0	25.5	32.3	10.4
Congestive Heart Failure	89	20.2	15.2	5.8	27.0	23.0	5.2	31.5	29.6	5.2
Pneumonia/Influenza	45	15.6	15.2	*	17.8	20.7	*	26.7	25.4	*
Chronic Obstructive Pulmonary Disease	25	4.0	9.2	*	8.0	14.6	*	8.0	18.9	*
Transient Cerebral Ischemia	52	1.9	1.8	2.1	3.8	3.8	3.6	3.8	5.9	4.8
Stroke	59	23.7	21.2	5.8	25.4	27.8	7.1	33.9	32.2	7.2
Hip Fracture	33	12.1	6.3	*	12.1	11.0	*	15.2	14.0	*
Sepsis	13	23.1	37.1	*	38.5	42.6	*	46.2	48.6	*
PROCEDURES:										
Angioplasty	1	0.0	3.5	*	0.0	5.8	*	0.0	7.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.0	*	11.1	7.3	*	11.1	9.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	3.7	*	0.0	6.5	*	8.3	8.5	*
Open Reduction of Hip Fracture	21	9.5	5.8	*	9.5	10.8	*	9.5	14.1	*
Prostatectomy	34	0.0	1.8	*	2.9	4.2	*	5.9	6.7	*
Cholecystectomy	18	0.0	1.9	*	0.0	3.2	*	0.0	4.0	*
Hysterectomy	10	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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HAZLETON-SAINT JOSEPH MEDICAL CENTER
NORTH CHURCH AND NINTH STREETS
HAZLETON, PENNSYLVANIA 18201

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Att: Mrs. Sandra Kappert:

In reference to the Health Care Financing Administration's Mortality statistics and our hospital's mortality listings for 1989 - our hospital provider number being 390054 - we would like to comment on the report of our hospital findings.

There was a total listing of deaths for this period of time for our hospital as being 297 deaths. We would like to note that on verification of these deaths, 143 did not expire in the hospital plus 43 could not be verified if they did expire.

There is also 1 listed death [redacted] of a patient who is still alive. As in our letter to you last year, cancer - as a primary or secondary cause of death, is a very important factor for the Department of Health and Human Services to be interested in; this is a major cause of deaths of patients in our Northeast Pa. region and is worth the need of investigation for you agency.

I am sure that the Pa.Cancer Registry can be of assistance for your investigation in the above matter.

Thank you for the opportunity to comment on this important subject.

Sincerely,

Sister M. Claudette, RRA
Sister M. Claudette, RRA

HERSHEY MEDICAL CTR-UNIVERSITY HOSPITAL

500 University Dr
Hershey, PA 17033

Medicare Provider Number: 390256

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,199	7.6	8.7	0.9	12.4	13.5	1.1	16.0	17.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	71	25.4	29.2	7.5	31.0	32.7	7.8	32.4	36.4	8.5
Congestive Heart Failure	65	10.8	15.6	7.8	18.5	24.0	8.0	30.8	30.8	6.3
Pneumonia/Influenza	38	18.4	16.4	*	26.3	22.4	*	31.6	27.3	*
Chronic Obstructive Pulmonary Disease	18	22.2	10.9	*	38.9	19.1	*	44.4	25.5	*
Transient Cerebral Ischemia	18	0.0	1.5	*	0.0	3.1	*	5.6	4.7	*
Stroke	50	20.0	22.9	*	28.0	28.9	*	28.0	33.4	*
Hip Fracture	47	6.4	7.4	*	14.9	12.9	*	21.3	16.4	*
Sepsis	17	35.3	28.1	*	41.2	37.9	*	41.2	44.9	*
PROCEDURES:										
Angioplasty	38	2.6	3.1	*	2.6	4.0	*	2.6	5.2	*
Coronary Artery Bypass Graft	77	5.2	5.7	2.7	5.2	8.4	3.8	6.5	9.9	4.3
Initial Pacemaker Insertion	5	0.0	1.9	*	0.0	3.8	*	0.0	5.8	*
Carotid Endarterectomy	26	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	39	2.6	1.3	*	5.1	2.7	*	5.1	4.1	*
Open Reduction of Hip Fracture	22	13.6	7.3	*	18.2	13.0	*	22.7	16.5	*
Prostatectomy	31	0.0	0.5	*	3.2	1.3	*	3.2	2.3	*
Cholecystectomy	31	3.2	4.0	*	12.9	7.8	*	16.1	10.9	*
Hysterectomy	34	0.0	0.6	*	0.0	1.4	*	2.9	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 399
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 258
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 119
Registered Nurses 664
Licensed Practical Nurses 42

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

HERSHEY MEDICAL CTR-UNIVERSITY HOSPITAL

Medicare Provider Number: 390256

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,164	7.3	8.6	0.8	11.7	13.4	1.0	15.1	17.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	50	32.0	29.0	*	34.0	32.2	*	40.0	36.0	*
Congestive Heart Failure	63	4.8	15.4	5.9	11.1	23.3	7.3	17.5	29.9	7.7
Pneumonia/Influenza	31	16.1	19.7	*	19.4	26.1	*	22.6	30.9	*
Chronic Obstructive Pulmonary Disease	20	10.0	8.7	*	10.0	14.4	*	15.0	19.6	*
Transient Cerebral Ischemia	21	0.0	1.9	*	0.0	4.1	*	0.0	6.4	*
Stroke	43	23.3	25.3	*	32.6	31.5	*	34.9	36.2	*
Hip Fracture	26	7.7	6.8	*	15.4	12.0	*	15.4	15.3	*
Sepsis	15	53.3	29.3	*	60.0	36.9	*	60.0	43.1	*
PROCEDURES:										
Angioplasty	27	3.7	2.4	*	3.7	3.4	*	3.7	4.4	*
Coronary Artery Bypass Graft	72	5.6	5.8	3.0	8.3	8.1	3.3	8.3	9.5	3.6
Initial Pacemaker Insertion	11	0.0	6.4	*	0.0	10.7	*	18.2	14.1	*
Carotid Endarterectomy	20	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	44	0.0	1.7	*	0.0	3.0	*	2.3	4.0	*
Open Reduction of Hip Fracture	13	7.7	5.9	*	23.1	11.0	*	23.1	14.3	*
Prostatectomy	37	0.0	2.1	*	0.0	3.8	*	2.7	5.7	*
Cholecystectomy	25	8.0	7.5	*	16.0	12.1	*	16.0	15.0	*
Hysterectomy	27	0.0	1.1	*	3.7	2.3	*	3.7	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,980	7.1	9.4	0.7	11.1	14.7	0.9	14.6	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	48	20.8	31.8	*	22.9	36.0	*	25.0	40.0	*
Congestive Heart Failure	56	12.5	18.3	9.7	17.9	27.3	12.3	28.6	34.8	12.1
Pneumonia/Influenza	20	25.0	19.8	*	30.0	26.3	*	30.0	31.5	*
Chronic Obstructive Pulmonary Disease	19	0.0	14.0	*	21.1	21.8	*	21.1	27.2	*
Transient Cerebral Ischemia	26	3.8	1.7	*	7.7	3.4	*	7.7	5.2	*
Stroke	43	14.0	25.3	*	16.3	31.8	*	20.9	36.5	*
Hip Fracture	28	7.1	7.2	*	17.9	12.9	*	21.4	16.6	*
Sepsis	20	15.0	32.1	*	20.0	40.7	*	20.0	46.9	*
PROCEDURES:										
Angioplasty	17	5.9	5.0	*	5.9	6.1	*	11.8	7.5	*
Coronary Artery Bypass Graft	70	10.0	8.2	4.9	11.4	11.5	4.6	11.4	13.2	4.5
Initial Pacemaker Insertion	14	7.1	3.0	*	7.1	5.9	*	7.1	8.4	*
Carotid Endarterectomy	21	0.0	1.6	*	4.8	3.0	*	4.8	4.4	*
Hip Replacement/Reconstruction	50	0.0	1.1	*	2.0	2.0	*	2.0	2.6	*
Open Reduction of Hip Fracture	15	6.7	6.0	*	20.0	11.6	*	20.0	15.5	*
Prostatectomy	39	0.0	1.2	*	2.6	2.8	*	2.6	4.7	*
Cholecystectomy	12	0.0	3.3	*	0.0	6.8	*	0.0	9.8	*
Hysterectomy	31	3.2	2.4	*	3.2	4.9	*	6.5	7.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

171.1

RE: Medicare Hospital Mortality Rate
Medicare Provider Number: 390256

PENNSTATE

College of Medicine • University Hospital
The Milton S. Hershey Medical Center

Allan C. Anderson
Vice President and Chief Operating Officer,
The Milton S. Hershey Medical Center
Director, University Hospital

P.O. Box 850
Hershey, Pennsylvania 17033
(717) 531-8803

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Sir/Madame:

Thank you for the opportunity to provide comment on the Medicare Hospital Mortality Information. It has become accepted over the years that the data in themselves are not a meaningful guide to hospital performance. The information is designed to raise questions, not to answer them. It identifies differences in mortality among hospital patient populations but does not and cannot explain whey they are different. Much of the differences in hospital mortality, particularly for deaths that occur after the individual left the hospital, may be explained by factors which can only be revealed through further study.

We have chosen to only comment on those patients that have expired within 30 days in the diagnostic categories of pneumonia/influenza, chronic obstructive pulmonary disease, sepsis, hip replacement/ reconstruction and open reduction of hip fracture. Specifically:

Pneumonia/Influenza: Seven deaths were reported in this diagnostic group. Each had either a limitation of care or "Do not resuscitate (DNR)" order. Two patients had either primary cancer in the lung or late stage metastic cancer. One patient had her pneumonia cured, but died from a stoke.

Chronic Obstructive Pulmonary Disease (COPD): Six patients were reviewed. One individual noted in this report as dead is still alive and was an inpatient on 12/4/90. The remaining five patients all had limitation of care orders. One patient was admitted unresponsive and the family requested that no intubation or artificial respiration be used.

Sepsis: Seven patients were identified in this group. The five patients had late stages of cancer. Two were transferred from other hospitals in septic shock. All seven patients had limitation of care orders (DNR) written at the patient and/or families request.

PENNSTATE

College of Medicine • University Hospital
The Milton S. Hershey Medical Center

Allan C. Anderson
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P.O. Box 850
Hershey, Pennsylvania 17033
(717) 531-8803

Hip Replacement (Reconstruction): The single patient in this group was 92 years old with metastic cancer as the cause of fracture. Post operatively, the patient developed organ failure for which intensive treatment was limited at the request of the family.

Hip Fracture/Open Reduction Hip Fracture: Four individuals were identified in this group. The average age was 86.8 years. Two of these patients were transfers from nursing homes and one from another hospital. Two of the four patients had significant other medical problems. For example, one patient had significant aortic stenosis which was considered an average risk disorder by Health Care Financing Administration (HCFA). In our opinion, the designation by HCFA does not accurately reflect the severity of this patient. This patient was scored as a severity level "3" by the MedisGroup System and succumbed to cardiac disease.

In summary, our "observed" mortality was lower than "expected" for each group listed except for the five commented upon. In fact, even for these five categories, the number of cases were too low to permit statistical calculation of a standard deviation, and the numbers may not be truly different.

In each of these five groups, the patients were of advanced age, had multiple serious underlying disorders, and in most instances, the patient and their family desired that no extra ordinary means be used to prolong life. After careful review of each case, we believe that the care rendered by University Hospital staff was excellent.

Again, thank you for this opportunity to comment.

Sincerely yours,

Allan C. Anderson

Allan C. Anderson

AA/MZ/kar

HIGHLANDS HOSPITAL AND HEALTH CENTER

401 East Murphy Avenue
Connellsville, PA 15425

Medicare Provider Number: 390184

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	653	11.6	9.4	1.7	16.1	14.5	1.8	19.0	18.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	22	36.4	30.0	*	36.4	34.3	*	36.4	38.5	*
Congestive Heart Failure	40	12.5	14.3	*	15.0	22.4	*	20.0	29.1	*
Pneumonia/Influenza	30	20.0	14.6	*	26.7	20.0	*	33.3	24.4	*
Chronic Obstructive Pulmonary Disease	10	10.0	10.5	*	20.0	16.5	*	20.0	21.4	*
Transient Cerebral Ischemia	14	0.0	1.9	*	7.1	4.0	*	7.1	6.2	*
Stroke	26	11.5	17.3	*	15.4	23.5	*	19.2	27.7	*
Hip Fracture	16	12.5	6.5	*	12.5	11.4	*	12.5	14.7	*
Sepsis	6	16.7	29.1	*	16.7	35.0	*	33.3	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.9	*	0.0	7.2	*	0.0	10.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.4	*	0.0	8.2	*	0.0	10.7	*
Open Reduction of Hip Fracture	10	20.0	6.4	*	20.0	11.6	*	20.0	15.2	*
Prostatectomy	16	12.5	1.7	*	12.5	4.1	*	12.5	6.6	*
Cholecystectomy	29	0.0	3.5	*	3.4	6.0	*	3.4	7.7	*
Hysterectomy	10	0.0	1.1	*	0.0	2.1	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 76
Occupancy Rate 61
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 37
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 74
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HIGHLANDS HOSPITAL AND HEALTH CENTER

Medicare Provider Number: 390184

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	645	10.7	9.2	1.6	14.1	13.9	1.5	18.8	17.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	23	39.1	27.0	*	39.1	29.9	*	39.1	33.0	*
Congestive Heart Failure	40	22.5	13.7	*	27.5	20.9	*	40.0	27.0	*
Pneumonia/Influenza	34	17.6	15.3	*	17.6	20.6	*	23.5	25.0	*
Chronic Obstructive Pulmonary Disease	10	0.0	8.7	*	0.0	14.1	*	0.0	19.1	*
Transient Cerebral Ischemia	21	4.8	2.8	*	14.3	6.5	*	14.3	10.4	*
Stroke	29	17.2	20.9	*	20.7	28.9	*	24.1	33.9	*
Hip Fracture	11	0.0	7.2	*	9.1	12.7	*	9.1	16.2	*
Sepsis	3	66.7	28.4	*	66.7	33.2	*	66.7	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	10.5	*	0.0	13.1	*	0.0	15.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.0	*	0.0	5.9	*	0.0	8.0	*
Open Reduction of Hip Fracture	9	0.0	6.4	*	0.0	11.8	*	0.0	15.3	*
Prostatectomy	9	0.0	1.1	*	0.0	2.9	*	0.0	5.0	*
Cholecystectomy	14	28.6	6.0	*	28.6	10.6	*	35.7	13.3	*
Hysterectomy	4	0.0	1.6	*	0.0	3.3	*	0.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	538	11.5	10.9	1.4	16.4	16.3	1.6	19.5	20.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	20	45.0	27.9	*	45.0	31.1	*	45.0	34.7	*
Congestive Heart Failure	43	9.3	14.8	*	14.0	22.9	*	16.3	29.8	*
Pneumonia/Influenza	27	25.9	16.1	*	25.9	21.6	*	29.6	26.3	*
Chronic Obstructive Pulmonary Disease	12	0.0	11.3	*	0.0	19.5	*	8.3	26.3	*
Transient Cerebral Ischemia	19	0.0	2.2	*	0.0	4.8	*	0.0	7.6	*
Stroke	22	27.3	21.9	*	36.4	29.6	*	36.4	34.4	*
Hip Fracture	19	21.1	6.4	*	21.1	11.7	*	36.8	15.4	*
Sepsis	5	40.0	25.4	*	40.0	29.6	*	40.0	34.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	5.8	*	20.0	10.2	*	20.0	13.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	7.9	*	20.0	15.8	*	40.0	21.9	*
Open Reduction of Hip Fracture	11	9.1	5.8	*	9.1	11.3	*	18.2	15.3	*
Prostatectomy	9	0.0	1.4	*	0.0	3.6	*	0.0	6.4	*
Cholecystectomy	11	0.0	3.1	*	9.1	4.8	*	9.1	6.0	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLY REDEEMER HOSPITAL & MEDICAL CENTER

1648 Huntingdon Pike
Meadowbrook, PA 19046

Medicare Provider Number: 390097

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,926	6.9	9.4	0.6	11.0	14.2	0.7	14.6	18.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	95	17.9	25.3	5.7	27.4	28.8	5.9	30.5	32.1	4.9
Congestive Heart Failure	154	11.0	16.8	4.5	21.4	25.8	4.8	29.9	33.0	4.8
Pneumonia/Influenza	106	10.4	15.5	4.5	11.3	21.2	5.8	14.2	25.5	6.6
Chronic Obstructive Pulmonary Disease	27	0.0	4.8	*	18.5	9.4	*	22.2	13.7	*
Transient Cerebral Ischemia	87	0.0	1.6	*	1.1	3.7	*	1.1	5.9	*
Stroke	186	11.3	20.3	4.3	17.2	27.8	5.0	23.1	32.5	4.9
Hip Fracture	67	7.5	8.0	4.1	10.4	14.3	6.3	14.9	18.6	7.5
Sepsis	58	19.0	23.4	6.2	20.7	30.3	8.5	24.1	36.0	10.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	3.2	3.8	*	9.7	6.7	*	12.9	9.2	*
Carotid Endarterectomy	16	6.3	1.4	*	12.5	2.5	*	12.5	3.5	*
Hip Replacement/Reconstruction	53	3.8	2.7	3.3	3.8	5.2	3.8	5.7	7.1	4.4
Open Reduction of Hip Fracture	39	7.7	8.0	*	12.8	14.7	*	17.9	19.1	*
Prostatectomy	70	1.4	1.7	1.6	1.4	3.6	3.0	4.3	5.9	3.1
Cholecystectomy	68	0.0	2.9	*	0.0	4.8	*	0.0	5.9	*
Hysterectomy	39	2.6	0.5	*	2.6	1.2	*	2.6	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 254
Occupancy Rate 77
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 284
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 370
Licensed Practical Nurses 77

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HOLY REDEEMER HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 390097

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,859	7.9	10.3	0.8	13.4	15.6	0.9	17.1	19.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	92	27.2	32.1	6.9	31.5	35.8	7.0	35.9	39.3	6.9
Congestive Heart Failure	143	7.0	18.0	4.5	18.2	27.0	4.6	29.4	34.3	4.2
Pneumonia/Influenza	83	15.7	18.2	5.6	21.7	24.5	5.7	25.3	29.3	6.9
Chronic Obstructive Pulmonary Disease	24	4.2	5.4	*	12.5	10.9	*	12.5	15.9	*
Transient Cerebral Ischemia	83	2.4	1.9	2.2	4.8	4.0	3.5	4.8	6.3	3.4
Stroke	170	14.7	21.1	4.9	24.1	29.1	4.2	31.2	34.0	3.9
Hip Fracture	79	10.1	7.6	3.6	15.2	14.0	4.2	17.7	18.2	4.4
Sepsis	42	16.7	24.2	*	19.0	32.3	*	28.6	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	2.7	*	0.0	5.2	*	0.0	7.8	*
Carotid Endarterectomy	12	8.3	1.3	*	8.3	2.5	*	8.3	3.6	*
Hip Replacement/Reconstruction	56	1.8	3.5	3.0	7.1	7.0	3.4	8.9	9.5	4.0
Open Reduction of Hip Fracture	45	11.1	7.0	*	13.3	13.2	*	15.6	17.3	*
Prostatectomy	94	0.0	1.9	*	0.0	4.2	*	1.1	6.5	*
Cholecystectomy	52	3.8	3.3	3.2	5.8	6.0	3.4	5.8	7.8	4.1
Hysterectomy	30	0.0	0.9	*	3.3	1.8	*	3.3	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,815	7.0	9.4	0.8	12.4	14.6	0.9	15.8	18.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	81	13.6	29.3	6.5	27.2	32.9	8.2	30.9	36.3	5.6
Congestive Heart Failure	157	10.8	17.9	4.4	19.7	27.1	5.2	26.1	34.4	6.0
Pneumonia/Influenza	88	12.5	20.1	7.4	19.3	26.8	7.5	23.9	32.0	7.3
Chronic Obstructive Pulmonary Disease	35	2.9	6.0	*	5.7	11.7	*	8.6	16.8	*
Transient Cerebral Ischemia	76	1.3	2.1	2.3	5.3	4.6	3.1	9.2	7.2	4.5
Stroke	157	12.1	21.4	4.8	21.7	28.7	4.8	23.6	33.2	5.6
Hip Fracture	72	5.6	6.2	3.7	8.3	11.6	5.4	11.1	15.3	7.6
Sepsis	37	32.4	30.9	*	43.2	40.9	*	48.6	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	38	2.6	5.3	*	10.5	9.3	*	13.2	12.4	*
Carotid Endarterectomy	31	0.0	2.0	*	0.0	4.0	*	0.0	5.8	*
Hip Replacement/Reconstruction	51	2.0	2.1	2.1	5.9	4.2	3.1	5.9	5.9	3.4
Open Reduction of Hip Fracture	49	6.1	5.8	*	10.2	11.2	*	14.3	15.0	*
Prostatectomy	78	1.3	1.0	1.3	2.6	2.5	1.9	3.8	4.3	2.4
Cholecystectomy	59	3.4	2.8	2.5	5.1	4.9	3.9	6.8	6.1	4.3
Hysterectomy	32	0.0	0.7	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLY SPIRIT HOSPITAL

N 21st St
Camp Hill, PA 17011

Medicare Provider Number: 390004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,186	8.7	8.8	0.5	14.1	13.5	0.7	17.2	17.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	79	34.2	29.2	9.2	35.4	32.1	9.6	39.2	35.4	8.9
Congestive Heart Failure	155	15.5	17.3	4.4	28.4	26.5	4.2	32.9	33.8	3.9
Pneumonia/Influenza	156	12.2	17.1	3.6	23.7	23.3	3.4	29.5	28.1	3.7
Chronic Obstructive Pulmonary Disease	72	5.6	8.7	5.4	13.9	15.5	7.0	18.1	21.3	8.1
Transient Cerebral Ischemia	59	1.7	2.0	1.9	3.4	4.6	3.2	5.1	7.3	4.9
Stroke	139	17.3	20.0	3.7	24.5	26.9	4.1	25.9	31.4	5.3
Hip Fracture	76	2.6	6.5	4.6	9.2	11.8	5.9	13.2	15.4	4.7
Sepsis	48	35.4	32.1	*	41.7	39.9	*	43.8	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	4.4	*	8.3	7.6	*	8.3	10.6	*
Carotid Endarterectomy	15	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	43	0.0	2.7	*	2.3	5.4	*	4.7	7.6	*
Open Reduction of Hip Fracture	55	3.6	6.2	4.0	9.1	11.6	5.9	12.7	15.4	6.4
Prostatectomy	113	1.8	1.2	1.5	2.7	2.6	1.6	3.5	4.2	2.1
Cholecystectomy	86	1.2	2.4	2.1	4.7	4.5	2.6	8.1	5.9	4.0
Hysterectomy	16	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 332
Occupancy Rate 71
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 341
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 278
Licensed Practical Nurses 67

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HOLY SPIRIT HOSPITAL

Medicare Provider Number: 390004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,103	8.6	9.0	0.6	14.0	13.6	0.7	16.8	17.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	87	25.3	31.0	7.0	31.0	34.3	6.7	33.3	38.0	7.6
Congestive Heart Failure	144	13.2	16.0	5.5	22.2	24.0	7.8	27.1	30.7	6.6
Pneumonia/Influenza	138	15.2	16.7	3.4	25.4	22.5	4.8	28.3	27.2	5.5
Chronic Obstructive Pulmonary Disease	63	9.5	8.9	4.0	17.5	15.4	5.0	25.4	21.0	7.7
Transient Cerebral Ischemia	76	1.3	2.0	2.0	5.3	4.3	2.9	5.3	6.8	3.6
Stroke	108	20.4	20.5	3.9	25.0	27.4	5.0	27.8	32.1	6.7
Hip Fracture	74	9.5	6.4	4.2	14.9	11.6	6.5	18.9	15.1	7.4
Sepsis	60	30.0	28.8	8.7	41.7	36.4	8.5	46.7	42.2	8.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	5.1	*	0.0	9.7	*	5.6	13.4	*
Carotid Endarterectomy	28	0.0	1.4	*	3.6	2.6	*	3.6	3.8	*
Hip Replacement/Reconstruction	36	2.8	2.6	*	5.6	4.9	*	5.6	6.6	*
Open Reduction of Hip Fracture	46	13.0	5.8	*	17.4	11.1	*	21.7	14.7	*
Prostatectomy	136	0.7	1.0	0.9	0.7	2.5	2.0	2.2	4.0	2.8
Cholecystectomy	70	2.9	2.7	2.2	7.1	4.7	3.5	7.1	6.1	3.0
Hysterectomy	25	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,007	8.3	8.9	0.8	13.0	13.5	0.8	16.4	17.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	84	33.3	30.0	5.5	38.1	33.5	6.4	40.5	36.9	6.0
Congestive Heart Failure	129	18.6	19.3	3.6	31.8	28.5	5.0	39.5	35.6	5.7
Pneumonia/Influenza	86	15.1	16.7	4.8	20.9	22.3	5.0	25.6	27.0	5.1
Chronic Obstructive Pulmonary Disease	73	12.3	10.6	4.6	20.5	17.2	4.8	27.4	22.4	6.0
Transient Cerebral Ischemia	87	2.3	2.1	2.0	5.7	4.6	3.3	6.9	7.2	3.1
Stroke	121	16.5	22.9	7.4	24.8	29.5	6.5	31.4	34.2	5.6
Hip Fracture	92	7.6	6.7	3.5	14.1	12.2	4.0	18.5	15.9	4.4
Sepsis	41	26.8	28.1	*	26.8	36.1	*	39.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.4	*	0.0	6.9	*	0.0	9.9	*
Carotid Endarterectomy	17	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	58	5.2	4.2	3.1	8.6	8.1	4.4	10.3	10.8	5.6
Open Reduction of Hip Fracture	53	3.8	6.1	4.4	11.3	11.2	5.4	15.1	14.6	5.2
Prostatectomy	151	2.0	1.1	1.2	3.3	2.7	1.8	6.0	4.6	2.4
Cholecystectomy	59	1.7	3.0	3.3	1.7	5.3	4.6	1.7	6.9	5.4
Hysterectomy	8	0.0	1.0	*	0.0	2.0	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLY SPIRIT HOSPITAL
PLANNING AND COMMUNITY AFFAIRS

Medicare Provider
390004

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We believe the readers of the HCFA publication - Medicare Hospital Mortality Information - should be assured that the mortality rates at Holy Spirit Hospital are all within normal expected ranges, and that no serious quality of care concerns exist for the years reported.

The FY 1989 data shows a number of instances in which the "observed" rate of mortality was higher than the specific "predicted" rate. However, when we apply the "standard deviations" to determine the "predictive intervals" (or ranges), all these instances are well within these ranges.

We believe the HCFA use of a specific predicted rate, instead of the ranges previously used, may tend to make the data at many hospitals look worse than it is in actuality. We recommend that HCFA return to reporting this data in ranges, since the number of cases at any individual hospital is so small that a few cases of mortality can skew the observed-predicted relationship. The single predicted rate is probably valid only when viewing thousands of cases in state-to-state or region-to-region comparisons.

The HCFA use of "random" admission selection is also a problem. If the admission selected was prostate surgery in November 1988, and the patient recovered and did well, then died from heart attack or stroke in March 1989, the death is shown as related to the prostate admission. Again, this statistical method may be useful at a national level, but is of questionable validity for individual hospitals. We recommend a return to using the last admission of the year as the data piece.

We do not like Enclosure D, the listing of patients. In prior years, the patients were in category lists, which permitted reasonable confirmation and validation of data. In this new format it is necessary for us to review over 3,100 listings to locate the one hundred or fewer cases in each condition or procedure. This may be an easier process for HCFA, but it is much worse for hospitals.

Most hospitals maintain data on either/both a calendar year or hospital fiscal year. Now HCFA reports on the federal fiscal year, which does not meet any of the normal ways anyone else calculates data. We recommend a return to calendar year reporting.

As an overview, it appears that this most recent HCFA mortality report was designed and implemented to meet only some specific objectives of the Health Care Financing Administration. It is not "user friendly". We recommend that HCFA return to a report design and format that will be more readily used and understandable to individual hospitals, the media, and the general public.

Thank you for the opportunity to provide comments on the FY 1989 Medical Hospital Mortality Information.

Sincerely,

Joan M. Fegan
Planning Analyst

JMF:kb

HOSP OF THE PHILA COLLEGE OF OSTEOPATHY

4150 City Ave
Philadelphia, PA 19131

Medicare Provider Number: 390245

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,052	10.4	8.8	1.3	16.5	14.0	1.8	20.9	18.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	30	13.3	24.9	*	16.7	29.3	*	16.7	33.2	*
Congestive Heart Failure	64	14.1	13.8	4.4	26.6	21.6	7.3	39.1	28.1	9.9
Pneumonia/Influenza	34	14.7	16.8	*	20.6	22.8	*	29.4	27.4	*
Chronic Obstructive Pulmonary Disease	19	26.3	8.6	*	26.3	14.8	*	26.3	20.1	*
Transient Cerebral Ischemia	18	11.1	2.1	*	11.1	4.7	*	11.1	7.5	*
Stroke	27	18.5	21.1	*	25.9	27.2	*	25.9	31.5	*
Hip Fracture	26	26.9	10.3	*	34.6	17.8	*	38.5	22.2	*
Sepsis	9	33.3	35.3	*	33.3	43.8	*	66.7	50.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.2	*	16.7	6.4	*	16.7	9.4	*
Carotid Endarterectomy	1	0.0	0.7	*	100.0	1.6	*	100.0	2.4	*
Hip Replacement/Reconstruction	15	0.0	6.2	*	13.3	11.1	*	20.0	14.1	*
Open Reduction of Hip Fracture	14	50.0	10.2	*	50.0	18.2	*	50.0	23.1	*
Prostatectomy	37	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	12	25.0	4.9	*	25.0	8.9	*	25.0	11.7	*
Hysterectomy	5	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 180
Occupancy Rate 66
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 321
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 121
Registered Nurses 150
Licensed Practical Nurses 19

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HOSP OF THE PHILA COLLEGE OF OSTEOPATHY

Medicare Provider Number: 390245

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,140	8.9	10.4	1.8	14.3	16.0	2.0	19.1	20.3	1.9
CONDITIONS:										
Acute Myocardial Infarction	26	19.2	28.1	*	26.9	32.2	*	38.5	36.0	*
Congestive Heart Failure	91	3.3	13.6	4.8	8.8	21.1	5.7	18.7	27.6	6.2
Pneumonia/Influenza	34	17.6	19.4	*	26.5	26.1	*	32.4	31.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	9.0	*	8.3	15.1	*	16.7	20.1	*
Transient Cerebral Ischemia	20	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	37	18.9	20.4	*	24.3	26.3	*	29.7	30.6	*
Hip Fracture	13	0.0	7.3	*	7.7	13.2	*	15.4	16.9	*
Sepsis	11	27.3	31.8	*	45.5	38.6	*	54.5	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.6	*	0.0	6.7	*	11.1	9.4	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	7	0.0	3.0	*	0.0	6.1	*	0.0	8.2	*
Open Reduction of Hip Fracture	9	0.0	7.1	*	11.1	13.2	*	22.2	17.1	*
Prostatectomy	29	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	17	0.0	3.8	*	0.0	7.4	*	0.0	10.1	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,046	8.5	10.6	1.3	14.1	16.3	1.5	17.6	20.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	39	30.8	30.3	*	38.5	34.2	*	43.6	37.6	*
Congestive Heart Failure	67	7.5	16.2	5.3	9.0	24.4	6.9	13.4	30.8	7.9
Pneumonia/Influenza	30	16.7	14.7	*	23.3	19.7	*	26.7	24.0	*
Chronic Obstructive Pulmonary Disease	15	6.7	13.5	*	6.7	21.1	*	6.7	26.8	*
Transient Cerebral Ischemia	18	0.0	2.2	*	0.0	4.8	*	0.0	7.5	*
Stroke	30	23.3	20.0	*	26.7	27.1	*	33.3	31.5	*
Hip Fracture	14	0.0	9.7	*	14.3	17.3	*	21.4	21.6	*
Sepsis	19	21.1	28.6	*	36.8	37.7	*	47.4	44.3	*
PROCEDURES:										
Angioplasty	1	0.0	0.8	*	0.0	1.2	*	0.0	1.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.8	*	25.0	8.2	*	25.0	12.8	*
Carotid Endarterectomy	1	0.0	2.9	*	0.0	5.7	*	0.0	7.9	*
Hip Replacement/Reconstruction	14	0.0	3.1	*	7.1	5.7	*	7.1	7.3	*
Open Reduction of Hip Fracture	6	0.0	12.3	*	16.7	23.1	*	33.3	29.5	*
Prostatectomy	42	0.0	0.9	*	4.8	2.3	*	7.1	3.9	*
Cholecystectomy	11	0.0	2.9	*	0.0	4.9	*	0.0	5.9	*
Hysterectomy	5	0.0	1.9	*	0.0	4.7	*	0.0	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

179.1
Osteopathic Medical Center of Philadelphia
4150 City Avenue, Philadelphia, Pennsylvania 19131-1696

39-0245

Osteopathic

January 11, 1991

HCFA-Health Standards & Quality Bureau
Attention: Mrs. Sandra Kappert
2D2 Meadows East Bldg.
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare Mortality data. Review of the information provided reflects that for fiscal year 1989, of the 17 diagnostic and surgical categories identified by HCFA, 16 did not have enough cases to be statistically significant for this institution.

An in-depth review was performed of all cases including the Congestive Heart Failure category. This review revealed that all cases were in compliance with the standard of medical care and received appropriate treatment. It was determined that additional factors were related to this mortality rate, specifically, a significant increase in admissions of nursing home patients.

We recognize that HCFA is continuously striving to upgrade their statistical model to account for the significant variables which affect patient outcome. However, the existing methodology does not account for the patient's severity of illness on admission nor the admission source which impacts significantly on patient outcome. Additionally, mortality outside of the hospital, following discharge, is combined with hospital deaths. These variables should be taken into account in formulating future predictability models.

39-0245

The existing system of identifying patients by diagnostic categories is limited by the use of one diagnosis code to describe the patient's medical status. For purposes of the general Medicare population, the co-morbid conditions which are factored into the model should be descriptively addressed within these categories.

We wish to thank you for the opportunity to comment on this data.

Sincerely,

Timothy A. Churchill
Executive Director & Chief Executive Officer

HOSPITAL OF THE HOME FOR JEWISH AGED

5301 Old York Road
Philadelphia, PA 19141

Medicare Provider Number: 390247

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	323	18.0	12.7	3.0	26.6	20.4	2.9	35.6	26.4	3.7
CONDITIONS:										
Acute Myocardial Infarction	4	50.0	49.3	*	75.0	55.1	*	75.0	60.7	*
Congestive Heart Failure	29	24.1	18.4	*	31.0	29.3	*	37.9	37.8	*
Pneumonia/Influenza	20	35.0	17.2	*	50.0	23.7	*	55.0	29.0	*
Chronic Obstructive Pulmonary Disease	10	10.0	12.0	*	10.0	23.2	*	20.0	32.0	*
Transient Cerebral Ischemia	3	0.0	2.1	*	0.0	5.0	*	0.0	8.2	*
Stroke	10	20.0	17.7	*	30.0	26.1	*	60.0	31.3	*
Hip Fracture	0									
Sepsis	10	30.0	29.3	*	50.0	37.6	*	60.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 56
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 5
Registered Nurses 26
Licensed Practical Nurses 1

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL OF THE HOME FOR JEWISH AGED

Medicare Provider Number: 390247

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	450	15.3	12.7	2.4	25.3	20.4	3.7	31.1	26.3	3.8
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	26.9	*	60.0	33.6	*	60.0	39.4	*
Congestive Heart Failure	37	13.5	18.2	*	24.3	29.1	*	32.4	37.3	*
Pneumonia/Influenza	33	18.2	22.1	*	27.3	30.2	*	36.4	35.8	*
Chronic Obstructive Pulmonary Disease	11	0.0	7.4	*	0.0	13.7	*	9.1	19.3	*
Transient Cerebral Ischemia	4	0.0	1.6	*	0.0	3.8	*	0.0	6.1	*
Stroke	13	15.4	25.5	*	30.8	34.1	*	38.5	39.7	*
Hip Fracture	1	0.0	3.8	*	0.0	7.2	*	0.0	9.8	*
Sepsis	16	25.0	31.0	*	43.8	39.0	*	50.0	45.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	486	14.6	12.3	1.6	25.9	19.6	2.4	33.5	25.5	2.8
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	32.1	*	53.3	37.3	*	60.0	41.5	*
Congestive Heart Failure	41	22.0	20.3	*	31.7	32.7	*	41.5	41.9	*
Pneumonia/Influenza	36	16.7	21.1	*	27.8	29.3	*	36.1	35.6	*
Chronic Obstructive Pulmonary Disease	5	20.0	15.2	*	20.0	28.7	*	40.0	37.8	*
Transient Cerebral Ischemia	12	0.0	2.2	*	0.0	5.1	*	0.0	8.4	*
Stroke	18	27.8	23.7	*	50.0	31.5	*	61.1	37.1	*
Hip Fracture	1	0.0	10.0	*	0.0	20.3	*	0.0	27.7	*
Sepsis	6	16.7	17.2	*	16.7	25.2	*	33.3	31.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

390247

HOSPITAL OF THE HOME FOR THE JEWISH AGED

ANALYSIS OF HCFA MORTALITY INFORMATION

The Hospital of the Home for the Jewish Aged is a leader in the provision of acute and rehabilitation care to the geriatric population. We are committed to the delivery of quality patient care to the frail, elderly community. The average age of our patient base is eight-four (84) years; ninety-nine percent (99%) of our patients are Medicare beneficiaries.

Comparative analysis of mortality rates between general acute care hospitals and the Hospital of the Home for the Jewish Aged is incompatible due to our frail, elderly patient base.

The majority of our hospital admissions are nursing home residents and most of the remaining admissions come from a frail elder population who reside in senior housing. Published data indicates that the expected mortality of such individuals considerably exceeds the expected mortality for independent community-residing elderly. Therefore, a hospital which draws on such a population will differ in mortality outcomes from the usual community hospital.

HCFA's mortality rate analysis for the Hospital of the Home for the Jewish Aged reported the death of eighty-five (85) patients out of a selected 323 admissions in 1989.

The information provided below summarizes the characteristics and patient composition of the eighty-five (85) deaths identified by HCFA. Analysis of these patients concludes the following:

1. Average Age - The average age of the eighty-five (85) patients was 86.8 years.

2. Source of Admissions - Fifty-eight (58) patients or sixty-eight percent (68%) of the total deaths, were admitted from nursing homes. Nursing Home admissions have a higher degree of severity than community patients.

3. Multiple Medical Problems (Comorbidity) - All eighty-five (85) patients exhibited multiple medical problems.

4. Do Not Resuscitate Orders - Thirty-four (34) deaths that occurred had a Do Not Resuscitate Order (DNR) in place. The patients and/or families requested that no extraordinary action be taken to sustain the life of the patient.

The mortality rate of 18.0% assigned by HCFA continues to be highly inflated and misleading. For 1989, the Hospital of the Home for the Jewish Aged's actual mortality rate for all admissions was 10.7% (71 deaths on 662 admissions). This mortality rate accounts for all admissions in 1989 who died within thirty (30) days of admission.

The Hospital of the Home for the Jewish Aged is proud of the services and care delivered to our patients. These rates are truly exceptional given the characteristics of our patient base. The Hospital of the Home for the Jewish Aged is a nationally recognized leader in the provision of high quality care to the geriatric community.

HOSPITAL OF THE MEDICAL COLLEGE OF PENN

3300 Henry Ave
Philadelphia, PA 19129

Medicare Provider Number: 390047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,571	8.0	9.1	0.9	13.5	14.0	0.9	17.4	17.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	21.7	*	33.3	25.1	*	35.9	28.5	*
Congestive Heart Failure	85	12.9	14.5	5.3	22.4	22.8	4.6	30.6	29.7	6.9
Pneumonia/Influenza	58	10.3	15.9	8.6	12.1	21.5	9.9	20.7	26.1	8.1
Chronic Obstructive Pulmonary Disease	28	21.4	12.3	*	35.7	21.9	*	39.3	29.5	*
Transient Cerebral Ischemia	21	0.0	2.9	*	4.8	7.1	*	4.8	11.6	*
Stroke	78	9.0	18.0	5.7	20.5	24.3	6.2	23.1	28.5	5.7
Hip Fracture	22	4.5	5.6	*	9.1	10.0	*	27.3	13.1	*
Sepsis	13	30.8	32.6	*	61.5	41.8	*	69.2	48.9	*
PROCEDURES:										
Angioplasty	23	0.0	1.8	*	4.3	2.5	*	4.3	3.3	*
Coronary Artery Bypass Graft	41	12.2	5.7	*	12.2	8.7	*	12.2	10.4	*
Initial Pacemaker Insertion	11	0.0	5.5	*	9.1	10.5	*	9.1	14.7	*
Carotid Endarterectomy	5	0.0	1.1	*	20.0	2.0	*	20.0	2.9	*
Hip Replacement/Reconstruction	17	0.0	2.3	*	0.0	4.2	*	0.0	5.7	*
Open Reduction of Hip Fracture	12	0.0	5.1	*	8.3	9.5	*	33.3	12.5	*
Prostatectomy	26	0.0	0.7	*	3.8	1.7	*	3.8	3.0	*
Cholecystectomy	10	10.0	3.4	*	10.0	5.4	*	10.0	6.8	*
Hysterectomy	11	0.0	1.4	*	0.0	3.2	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	387
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	565
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	260
Registered Nurses	281
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HOSPITAL OF THE MEDICAL COLLEGE OF PENN

Medicare Provider Number: 390047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,720	8.0	9.7	0.9	13.3	14.8	1.0	18.1	18.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	45	20.0	28.3	*	24.4	32.4	*	28.9	36.4	*
Congestive Heart Failure	75	6.7	14.3	6.1	12.0	22.1	7.5	16.0	28.7	7.9
Pneumonia/Influenza	50	14.0	15.3	*	16.0	20.9	*	22.0	25.3	*
Chronic Obstructive Pulmonary Disease	24	4.2	11.3	*	12.5	19.5	*	16.7	26.1	*
Transient Cerebral Ischemia	32	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
Stroke	83	12.0	18.6	7.2	18.1	25.5	7.1	25.3	30.0	6.5
Hip Fracture	38	7.9	9.3	*	15.8	16.9	*	31.6	21.6	*
Sepsis	19	36.8	32.9	*	47.4	39.2	*	52.6	44.9	*
PROCEDURES:										
Angioplasty	22	0.0	2.6	*	0.0	3.6	*	9.1	4.6	*
Coronary Artery Bypass Graft	37	10.8	6.3	*	16.2	8.8	*	16.2	10.2	*
Initial Pacemaker Insertion	4	25.0	12.1	*	25.0	15.2	*	25.0	18.6	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	28	0.0	3.7	*	7.1	7.0	*	10.7	9.3	*
Open Reduction of Hip Fracture	21	0.0	7.3	*	9.5	13.5	*	28.6	17.5	*
Prostatectomy	37	0.0	1.7	*	2.7	4.0	*	2.7	6.3	*
Cholecystectomy	7	0.0	2.5	*	0.0	5.0	*	0.0	6.9	*
Hysterectomy	13	0.0	2.4	*	15.4	4.8	*	15.4	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,655	8.5	9.9	1.2	14.2	15.0	1.3	17.8	18.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	50	16.0	27.9	*	28.0	31.2	*	32.0	34.6	*
Congestive Heart Failure	71	7.0	15.2	5.4	12.7	23.4	6.9	15.5	30.1	8.4
Pneumonia/Influenza	50	14.0	15.8	*	22.0	21.3	*	24.0	25.6	*
Chronic Obstructive Pulmonary Disease	20	5.0	10.0	*	10.0	16.3	*	15.0	21.3	*
Transient Cerebral Ischemia	27	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	84	14.3	19.5	5.8	22.6	26.1	6.9	23.8	30.3	8.4
Hip Fracture	42	0.0	6.5	*	2.4	12.1	*	4.8	15.9	*
Sepsis	16	25.0	39.6	*	43.8	47.3	*	43.8	54.1	*
PROCEDURES:										
Angioplasty	18	16.7	5.0	*	22.2	6.3	*	22.2	7.6	*
Coronary Artery Bypass Graft	31	12.9	7.0	*	16.1	9.7	*	16.1	11.2	*
Initial Pacemaker Insertion	7	14.3	7.6	*	28.6	15.6	*	28.6	22.4	*
Carotid Endarterectomy	4	50.0	1.2	*	50.0	2.2	*	50.0	3.1	*
Hip Replacement/Reconstruction	20	0.0	2.5	*	0.0	5.0	*	0.0	7.2	*
Open Reduction of Hip Fracture	21	0.0	5.7	*	4.8	11.1	*	9.5	14.9	*
Prostatectomy	44	0.0	1.8	*	2.3	3.8	*	2.3	6.0	*
Cholecystectomy	15	6.7	8.2	*	6.7	12.5	*	13.3	15.8	*
Hysterectomy	11	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MCP The Medical College of Pennsylvania

January 14, 1991

Ms. Sandra K. Kappert
H.C.F.A. Health Standards and Quality Bureau
2-D-2 Meadows East Bldg.
6325 Security Boulevard
Baltimore, MD 21207

Hospital I.D. #390047

Dear Ms. Kappert:

The Medical College of Pennsylvania (MCP) Hospital has received the 1989 Mortality Data compiled by the Health Care Financing Administration.

The Medical College of Pennsylvania supports the evolution of a process to provide the consumer with accurate, reliable health care information and comparative hospital data. Mortality rates must be considered within the context of many contributing factors such as severity of illness, terminal diseases, socio-economic background, the "Do Not Resusitate" wishes of the patient and/or the patient's family, transfers from other acute care facilities, or transfers to other acute care facilities or nursing homes.

We have performed another focused review of the patients' medical records in the categories where the observed mortality rate exceeded the predicted mortality rate. Even in those categories where there was not a statistically significant difference due to the sample size, we continue to evaluate all information as part of our continuous Quality Assurance program. Our review revealed no quality of care issues but we will monitor additional data as it becomes available.

MCP practices comprehensive quality assurance programs and clinical departmental and medical staff peer review in order to evaluate and ensure the highest quality of health care for both present and future generations. Mortality review is only a small part of our total Quality Assurance Program, which is designed to monitor the quality and appropriateness of all patient care activities.

As an academic medical center, MCP's primary mission is to educate future physicians and scientists, conduct scientific research and deliver quality clinical and diagnostic services to those we serve. Patients at MCP, as with all academic medical centers, are benefited by the rapid translation of education and research into the health care delivery system. By resolving identified problems and by pursuing opportunities to improve patient care and services throughout the institition, MCP is committed to providing the highest standard of medical care.

Sincerely,

Shelley Gebar
Executive Director and
Chief Executive Officer for
MCP Hospitals

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HOSPITAL OF UNIV OF PENNSYLVANIA

34th & Spruce Sts
Philadelphia, PA 19104

Medicare Provider Number: 390111

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,594	6.8	7.8	0.6	11.9	12.8	0.8	15.6	16.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	60	11.7	23.1	6.8	15.0	26.0	6.9	23.3	29.1	6.5
Congestive Heart Failure	82	6.1	14.6	5.2	18.3	22.8	5.6	28.0	29.6	5.1
Pneumonia/Influenza	44	13.6	14.6	*	15.9	19.5	*	25.0	23.7	*
Chronic Obstructive Pulmonary Disease	24	4.2	7.4	*	8.3	14.3	*	16.7	20.5	*
Transient Cerebral Ischemia	26	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Stroke	83	18.1	19.8	6.0	24.1	26.6	5.7	28.9	31.0	5.4
Hip Fracture	36	0.0	6.7	*	2.8	11.8	*	2.8	15.1	*
Sepsis	38	18.4	24.2	*	44.7	33.1	*	50.0	39.4	*
PROCEDURES:										
Angioplasty	46	2.2	3.4	*	2.2	4.7	*	6.5	6.0	*
Coronary Artery Bypass Graft	161	14.9	5.4	5.0	19.9	8.6	5.5	21.7	10.8	4.5
Initial Pacemaker Insertion	14	0.0	5.7	*	0.0	10.0	*	0.0	13.6	*
Carotid Endarterectomy	20	0.0	1.2	*	0.0	2.2	*	5.0	3.0	*
Hip Replacement/Reconstruction	79	1.3	1.5	1.4	1.3	2.9	2.1	1.3	4.0	2.8
Open Reduction of Hip Fracture	19	0.0	6.3	*	5.3	11.8	*	5.3	15.4	*
Prostatectomy	73	0.0	0.9	1.4	0.0	2.1	2.7	2.7	3.6	2.3
Cholecystectomy	36	0.0	6.6	*	2.8	13.1	*	2.8	18.4	*
Hysterectomy	42	0.0	1.0	*	0.0	2.3	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 719
Occupancy Rate 78
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 767
Percent of Physicians Board Certified Specialists 90
Medical Residents/Interns 323
Registered Nurses 884
Licensed Practical Nurses 42

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

HOSPITAL OF UNIV OF PENNSYLVANIA

Medicare Provider Number: 390111

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,690	7.0	8.2	0.8	12.7	13.2	0.8	16.0	17.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	71	15.5	26.9	8.6	19.7	30.8	8.8	22.5	34.8	8.9
Congestive Heart Failure	96	14.6	17.0	6.9	21.9	26.0	7.7	30.2	33.2	7.5
Pneumonia/Influenza	53	13.2	16.8	7.1	17.0	23.0	8.0	22.6	27.8	8.6
Chronic Obstructive Pulmonary Disease	20	5.0	7.1	*	5.0	12.0	*	5.0	16.5	*
Transient Cerebral Ischemia	25	4.0	1.8	*	4.0	3.7	*	4.0	5.5	*
Stroke	78	10.3	18.9	6.3	16.7	25.0	7.0	17.9	29.1	7.9
Hip Fracture	38	7.9	8.5	*	7.9	15.0	*	10.5	18.8	*
Sepsis	39	38.5	27.3	*	59.0	38.1	*	64.1	45.1	*
PROCEDURES:										
Angioplasty	37	2.7	5.1	*	2.7	6.7	*	2.7	8.1	*
Coronary Artery Bypass Graft	134	9.0	6.5	2.3	17.9	10.2	4.3	21.6	12.5	3.9
Initial Pacemaker Insertion	15	0.0	3.9	*	0.0	6.7	*	6.7	9.5	*
Carotid Endarterectomy	25	4.0	1.2	*	8.0	2.1	*	8.0	2.9	*
Hip Replacement/Reconstruction	73	1.4	2.0	1.8	2.7	4.0	2.5	5.5	5.6	2.7
Open Reduction of Hip Fracture	19	5.3	7.2	*	5.3	13.7	*	5.3	17.8	*
Prostatectomy	93	2.2	1.2	1.4	4.3	3.0	2.1	5.4	4.9	2.3
Cholecystectomy	33	3.0	4.1	*	3.0	7.9	*	3.0	11.1	*
Hysterectomy	39	0.0	1.4	*	5.1	2.9	*	7.7	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,613	5.6	7.6	0.5	10.1	12.5	0.6	13.3	16.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	42	23.8	28.9	*	31.0	32.5	*	33.3	36.0	*
Congestive Heart Failure	76	10.5	14.9	5.6	21.1	22.2	5.1	30.3	28.4	5.4
Pneumonia/Influenza	39	10.3	18.1	*	20.5	24.4	*	25.6	29.4	*
Chronic Obstructive Pulmonary Disease	19	0.0	9.4	*	5.3	16.5	*	10.5	22.0	*
Transient Cerebral Ischemia	25	0.0	2.0	*	4.0	4.2	*	4.0	6.6	*
Stroke	79	8.9	19.5	6.7	16.5	26.0	7.3	20.3	30.2	7.2
Hip Fracture	38	0.0	6.7	*	5.3	11.9	*	7.9	15.2	*
Sepsis	18	50.0	30.9	*	61.1	42.1	*	66.7	49.4	*
PROCEDURES:										
Angioplasty	65	0.0	2.1	*	0.0	3.2	*	0.0	4.4	*
Coronary Artery Bypass Graft	136	6.6	5.8	2.1	11.8	8.8	3.4	14.0	10.8	4.1
Initial Pacemaker Insertion	13	7.7	3.7	*	7.7	6.9	*	7.7	9.6	*
Carotid Endarterectomy	16	6.3	1.6	*	6.3	2.8	*	6.3	4.0	*
Hip Replacement/Reconstruction	81	0.0	2.1	*	0.0	4.0	*	0.0	5.4	*
Open Reduction of Hip Fracture	22	0.0	6.6	*	9.1	12.0	*	13.6	15.3	*
Prostatectomy	104	0.0	1.4	1.7	1.0	3.4	2.7	2.9	5.4	3.1
Cholecystectomy	28	0.0	4.4	*	7.1	8.2	*	14.3	10.8	*
Hysterectomy	34	0.0	2.1	*	0.0	4.5	*	2.9	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY OF
PENNSYLVANIA
MEDICAL CENTER

Wilbur B. Pittinger
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Hospital of the University of Pennsylvania
Vice-President
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COMMENTS ON THE HEALTH CARE FINANCING ADMINISTRATION MORTALITY REPORT ON CORONARY ARTERY BYPASS SURGERY

Provider #390111

The Hospital of the University of Pennsylvania (HUP) supports the efforts of the Health Care Financing Administration (HCFA) to improve the quality of care provided to Medicare beneficiaries by publishing information about hospital mortality. As a tertiary care hospital, HUP also recognizes its obligation to provide state-of-the-art health care to patients who, because of complicated illness, cannot be treated at other area hospitals. The observed high mortality rate of coronary artery bypass surgery (CABG) at HUP reflects the severity of illness in these patients.

The HCFA predictive model fails to accurately measure this severity, particularly since the model is based on billing data rather than clinical factors abstracted from the patient record. The HCFA model also relies heavily on data derived from community hospitals. These flaws and other shortcomings of the model have led to the publication of information which could lead to the misinterpretation that the quality of coronary artery bypass surgery at HUP is less than expected.

Patient mortality is influenced not only by the treatment provided within hospitals but also by certain patient characteristics. Unfortunately, HCFA's model adjusts for only six patient characteristics, all obtained from billing data rather than chart review. The model fails to account for preoperative clinical factors which influence outcome and which we believe are critical to the development of accurate quality performance measures.

For heart surgery there is a more relevant model, developed and published by Dr. Victor Parsonnet and his associates.(1) This model uses such clinical characteristics as age, the function of the heart muscle, and the presence of other serious diseases to quantify the severity of a patient's illness, stratify patients into risk groups, and permit objective evaluation of operative mortality. The model has received peer acceptance. It is mandated by the State of New Jersey to assess cardiac surgery centers. The Parsonnet methodology is also very similar to the one required by New York State in assessing mortality from cardiac operations.

We have evaluated HUP's mortality using the Parsonnet model as part of our ongoing quality assurance program and found that it provides a more accurate assessment. Using the model, we have compared the predicted and actual mortality of 735 consecutive patients who underwent a CABG as the principal surgical procedure between October 1988 and September 1990. In this large group of patients, the predicted mortality was 9.8% while the observed was 9.4%.

In this analysis we have found that HCFA's current predictive model fails to adjust for several important risk factors:

1. HCFA's model does not consider the effect of additional procedures, such as valve replacement, in patients who have a coronary artery bypass at the same time. Scientific literature indicates that the risk of death is doubled when cardiac valve surgery is necessary at the time of coronary artery bypass. Over 15% of HUP's sample of 161 Medicare patients, including 9% who had valve surgery, had cardiac procedures in addition to a CABG.

2. The HCFA model fails to account for differences in risk factors for patients who are transferred to HUP from other hospitals, particularly those which also perform cardiac surgery. The Parsonnet model indicates an average predicted mortality of 9.2% for patients admitted directly to our hospital and a predicted mortality of 14.9% for patients transferred to HUP from hospitals which have their own cardiac surgery program. Forty percent of our patients are transferred from another acute care hospital, 27% of whom are from another cardiac surgery center.

3. The HCFA model fails to accurately measure the effect of age on mortality. According to the Parsonnet model, a patient aged 70 years has a 7% greater predicted mortality compared to a 60-year-old patient. The predicted increase in risk rises to 20% after age 80. In HCFA's sample, 24% of our patients were 70-74 and 29% were 75 or older. Regional data indicate that HUP has a higher proportion of CABG patients who are 65 and over than do other hospitals.

In conclusion, we continue to support HCFA's ongoing efforts to develop accurate information about hospital quality performance. In each of the last three years, HCFA has significantly altered its approach to measure mortality, including the way it adjusts for patient risk factors. These changes reflect the developmental nature of this technology. We do not believe that HCFA's current predictive model is yet sufficiently sophisticated to produce valid, meaningful outcome data for CABGs. Based on our review of outcomes for CABG patients, we believe that HCFA's reliance on billing data alone does not permit accurate measurement of patient risk for the heterogeneous population of patients who have open-heart surgery. This inadequacy will persist as long as HCFA continues to rely only on financial data rather than important clinical risk factors to predict clinical outcome.

We carefully and constantly monitor the quality of cardiac surgical care at HUP and support the ongoing development of predictive technology. For the moment, however, HCFA's data about the quality of care in coronary artery bypass surgery result from a primitive predictive model. Consequently, this model may inadvertently discriminate against medical centers which treat high risk patients for whom surgery may be the only chance of survival and a return to a good quality of life.

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(1) Parsonnet V., Dean D., Bernstein AD: A Method of Uniform Stratification of Risk for Evaluating the Results of Surgery in Acquired Adult Heart Disease. Circulation 1989;79 (supplement I: I-3-I-12).

HYMAN S CAPLAN PAV/GOOD SAM HOSPITAL

4th & Willow Sts
Lebanon, PA 17042

Medicare Provider Number: 390232

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	259	10.4	8.3	2.5	18.9	13.8	3.1	22.8	17.8	3.5
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	37.1	*	50.0	40.2	*	50.0	43.6	*
Congestive Heart Failure	10	30.0	11.2	*	30.0	17.9	*	50.0	23.9	*
Pneumonia/Influenza	9	33.3	17.0	*	44.4	24.5	*	44.4	30.1	*
Chronic Obstructive Pulmonary Disease	6	0.0	5.5	*	0.0	8.6	*	0.0	11.6	*
Transient Cerebral Ischemia	8	12.5	1.4	*	25.0	3.0	*	25.0	4.7	*
Stroke	13	0.0	13.3	*	15.4	18.7	*	15.4	22.5	*
Hip Fracture	4	0.0	6.6	*	0.0	11.5	*	0.0	15.1	*
Sepsis	2	0.0	28.8	*	0.0	36.8	*	0.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	0.4	*	50.0	0.7	*	50.0	0.9	*
Open Reduction of Hip Fracture	1	0.0	2.6	*	0.0	5.0	*	0.0	6.8	*
Prostatectomy	4	0.0	0.6	*	25.0	1.2	*	25.0	2.0	*
Cholecystectomy	5	0.0	3.3	*	0.0	6.6	*	0.0	9.4	*
Hysterectomy	20	5.0	0.5	*	5.0	1.1	*	5.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 40
Occupancy Rate 38
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 116
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 0
Registered Nurses 53
Licensed Practical Nurses 23

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HYMAN S CAPLAN PAV/GOOD SAM HOSPITAL

Medicare Provider Number: 390232

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	265	12.1	7.4	3.2	16.2	11.5	3.5	18.9	14.7	3.3
CONDITIONS:										
Acute Myocardial Infarction	10	50.0	28.6	*	50.0	31.8	*	50.0	35.8	*
Congestive Heart Failure	9	0.0	11.2	*	11.1	17.4	*	33.3	22.8	*
Pneumonia/Influenza	13	15.4	15.5	*	23.1	21.5	*	23.1	26.3	*
Chronic Obstructive Pulmonary Disease	9	22.2	6.5	*	22.2	12.5	*	33.3	18.0	*
Transient Cerebral Ischemia	5	0.0	2.2	*	0.0	4.9	*	0.0	7.7	*
Stroke	10	30.0	19.0	*	30.0	25.1	*	30.0	29.8	*
Hip Fracture	7	14.3	6.4	*	14.3	11.8	*	14.3	15.4	*
Sepsis	1	0.0	31.4	*	0.0	43.4	*	0.0	52.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Open Reduction of Hip Fracture	4	25.0	6.0	*	25.0	11.9	*	25.0	16.1	*
Prostatectomy	12	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	9	11.1	3.6	*	11.1	7.1	*	11.1	9.8	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	417	6.5	8.2	1.8	11.8	12.0	1.7	14.9	15.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	31.4	*	28.6	35.2	*	28.6	39.3	*
Congestive Heart Failure	23	13.0	11.0	*	17.4	17.2	*	26.1	22.9	*
Pneumonia/Influenza	12	8.3	11.4	*	8.3	15.7	*	16.7	19.5	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.0	*	0.0	9.0	*	10.0	12.8	*
Transient Cerebral Ischemia	6	0.0	1.9	*	16.7	4.1	*	16.7	6.2	*
Stroke	19	21.1	19.1	*	26.3	24.3	*	26.3	28.6	*
Hip Fracture	15	0.0	5.3	*	6.7	9.6	*	6.7	12.6	*
Sepsis	4	25.0	26.2	*	25.0	31.4	*	25.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	1.2	*	0.0	2.4	*	0.0	3.3	*
Open Reduction of Hip Fracture	6	0.0	6.3	*	16.7	12.1	*	16.7	16.0	*
Prostatectomy	17	0.0	1.2	*	0.0	3.1	*	5.9	5.1	*
Cholecystectomy	10	0.0	1.2	*	0.0	2.0	*	10.0	2.6	*
Hysterectomy	11	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

187.1

The Hyman S. Caplan Pavilion GSH

THE GOOD SAMARITAN HOSPITAL

January 14, 1991

Gail R. Wilensky, Ph.D.
Administrator
Department of Health and Human Services
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

RE: Medicare Provider
390232

Dear Dr. Wilensky:

The Hyman S. Caplan Pavilion of The Good Samaritan Hospital, Lebanon, Pennsylvania received and verified the accuracy of the 1989 Medical Mortality Data. We were not able to verify those deaths occurring post-discharge.

The hospital characteristics taken from the American Hospital Association Annual Survey of Hospitals - 1989 is 44 beds available for use with occupancy of 61%.

Of the 68 Medicare deaths, only 26% occurred in the hospital. The average age of the in-hospital deaths was 75.4 years with a range of 67 to 88 years. Most in-hospital deaths (78%) occurred in the "all other causes." Many had either a principal or secondary diagnosis of cancer. The Pavilion has an active in-patient and out-patient cancer program.

At the 75% confidence interval for 1989 data, the Hospital's observed mortality rate exceeded the point estimate for both 90 and 180 days after admission for "all other causes." Using the 95% confidence interval, the observed mortalities were less than the range for two standard deviations. Thus, statistically the mortalities are random variation and not meaningful. These results confirm the individual medical staff peer review that was performed on the in-hospital mortalities in 1989.

WILLOW AT FOURTH STREET LEBANON, PENNSYLVANIA 17042-1282
Telephone: (717) 273-8521

Dr. Wilensky
January 14, 1991
page two

We appreciate the opportunity to validate and comment on the Medicare Mortality Data. We point out that mortality data is not a meaningful guide to judge hospital performance. Furthermore, it has limited usefulness for the average consumer.

Sincerely,

Janet Simpson
Vice President, QA/RM

JS/js
c: Robert Hoffman
Robert Longo
Joyce Dissinger

INDIANA HOSPITAL

Hospital Road, Box 788
Indiana, PA 15701

Medicare Provider Number: 390173

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,794	8.4	9.2	1.0	12.8	13.9	1.3	16.2	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	32	43.8	30.5	*	43.8	33.6	*	46.9	37.1	*
Congestive Heart Failure	111	16.2	15.8	4.1	25.2	24.2	4.4	33.3	31.0	5.8
Pneumonia/Influenza	84	21.4	17.6	5.4	26.2	23.5	5.3	32.1	28.2	7.3
Chronic Obstructive Pulmonary Disease	37	16.2	9.4	*	21.6	16.8	*	21.6	23.0	*
Transient Cerebral Ischemia	46	0.0	2.2	*	4.3	5.1	*	10.9	8.2	*
Stroke	63	11.1	19.9	10.4	19.0	26.5	11.4	22.2	31.0	12.8
Hip Fracture	49	8.2	7.6	*	10.2	13.1	*	16.3	16.7	*
Sepsis	22	22.7	30.9	*	36.4	39.0	*	40.9	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	4.6	*	11.1	9.0	*	11.1	12.5	*
Open Reduction of Hip Fracture	28	3.6	6.6	*	7.1	11.9	*	14.3	15.3	*
Prostatectomy	71	0.0	0.9	1.4	0.0	2.2	2.5	1.4	3.6	2.9
Cholecystectomy	42	0.0	1.5	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	18	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 171
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 63
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 146
Licensed Practical Nurses 61

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

INDIANA HOSPITAL

Medicare Provider Number: 390173

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,917	8.5	8.8	0.8	13.2	13.3	1.3	16.3	16.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	39	28.2	33.0	*	35.9	36.5	*	41.0	40.2	*
Congestive Heart Failure	96	21.9	14.8	6.3	28.1	23.0	5.5	33.3	29.9	5.2
Pneumonia/Influenza	99	17.2	17.6	6.9	23.2	23.8	7.7	27.3	28.5	7.4
Chronic Obstructive Pulmonary Disease	44	4.5	9.4	*	6.8	15.6	*	15.9	21.0	*
Transient Cerebral Ischemia	55	3.6	1.9	3.2	5.5	4.2	4.0	5.5	6.7	3.8
Stroke	63	25.4	21.6	6.1	27.0	28.3	5.8	30.2	33.0	6.4
Hip Fracture	30	6.7	5.1	*	6.7	9.5	*	10.0	12.5	*
Sepsis	21	19.0	30.7	*	23.8	38.2	*	28.6	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	3.8	*	0.0	6.9	*	0.0	9.0	*
Open Reduction of Hip Fracture	17	5.9	4.2	*	5.9	8.5	*	11.8	11.7	*
Prostatectomy	88	1.1	1.1	1.2	2.3	2.6	2.4	5.7	4.3	3.0
Cholecystectomy	40	2.5	2.5	*	2.5	4.4	*	5.0	5.7	*
Hysterectomy	33	3.0	1.0	*	3.0	1.6	*	3.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,741	9.2	9.8	0.8	14.0	14.4	0.9	17.2	18.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	55	29.1	30.9	6.4	36.4	33.8	6.6	38.2	37.2	6.6
Congestive Heart Failure	80	13.7	17.9	7.3	21.2	26.7	10.8	26.2	33.8	11.5
Pneumonia/Influenza	68	19.1	20.2	5.0	25.0	27.3	6.2	30.9	32.7	6.8
Chronic Obstructive Pulmonary Disease	36	5.6	12.3	*	13.9	19.3	*	16.7	24.6	*
Transient Cerebral Ischemia	44	0.0	2.2	*	4.5	4.8	*	4.5	7.5	*
Stroke	75	29.3	23.0	7.2	34.7	30.0	7.5	36.0	34.7	6.0
Hip Fracture	40	5.0	6.4	*	10.0	11.3	*	15.0	14.3	*
Sepsis	18	44.4	39.1	*	55.6	47.3	*	61.1	52.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	4.3	*	0.0	7.9	*	0.0	10.3	*
Open Reduction of Hip Fracture	25	8.0	6.0	*	16.0	11.1	*	20.0	14.3	*
Prostatectomy	92	1.1	1.4	1.3	5.4	3.5	2.5	6.5	5.7	2.7
Cholecystectomy	29	3.4	2.2	*	17.2	3.7	*	17.2	4.8	*
Hysterectomy	13	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

189.1

INDIANA HOSPITAL
A Subsidiary Of
Indiana Healthcare Corporation

Hospital Road, P. O. Box 788
Indiana, Pennsylvania 15701
(412) 357-7000

EXPRESS MAIL

January 14, 1991 Medicare Provider #390173

Health Standards and Quality Bureau - HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

This letter is submitted in response to HCFA's intent to release mortality statistics on hospitals participating in the Medicare program. The following paragraph begins the comments we expect to have appended to the mortality statistics for Indiana Hospital.

Our Administrative Staff has reviewed all data released by the Department of Health and Human Services (HHS) and we have the following general comments:

In nine categories, asterisks appear in the standard deviation column which indicate that the number of deaths in these categories are too small to permit satisfactory estimation of the standard deviation. Therefore, the numbers are too small to make comparisons between predicted and observed rates. If the numbers are too small for statistical comparison, then the predicted rates are inappropriately published.

The inclusion of Medicare beneficiaries who die within 30, 90 or 180 days after admission to the hospital can distort the mortality data by adding to the statistics those who may have died from causes unrelated to the principle diagnosis or those who died from events unrelated to their hospitalization.

The average age of the patients who died was 79. Twenty-nine percent of the patients were 90 years of age or older. In this elderly population, it can be expected that some of the deaths were the result of age, the natural progression of a disease process and do-not-resuscitate orders, among other factors. Admission severity is also not addressed in this data.

Although the methodology has improved, the data is misleading and lends itself to gross misinterpretation. Because the relationship of the statistics to quality of care is unknown, interpretation of this data to suggest a measure of hospital performance would be tenuous at best.

The data was reviewed with the above limitations. In instances where HHS has stated that the data is statistically valid, Indiana Hospital's mortality rates are within the acceptable ranges and do not indicate a significant variance in any area.

Sincerely,

Donald D. Sandoval, FACHE
President and CEO

J C BLAIR MEMORIAL HOSPITAL

Warm Springs Ave
Huntingdon, PA 16652

Medicare Provider Number: 390056

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	801	8.4	10.4	1.4	12.7	15.1	1.7	15.9	18.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	49	28.6	24.8	*	32.7	27.8	*	38.8	31.1	*
Congestive Heart Failure	52	17.3	15.7	7.0	26.9	24.1	6.2	28.8	31.1	6.7
Pneumonia/Influenza	48	6.3	15.8	*	12.5	22.2	*	20.8	27.0	*
Chronic Obstructive Pulmonary Disease	9	11.1	7.2	*	22.2	13.5	*	22.2	19.0	*
Transient Cerebral Ischemia	20	0.0	2.2	*	0.0	5.0	*	5.0	8.2	*
Stroke	51	9.8	24.7	8.7	19.6	31.3	8.3	23.5	36.0	8.5
Hip Fracture	24	0.0	7.1	*	4.2	13.0	*	8.3	16.9	*
Sepsis	10	20.0	25.6	*	20.0	32.6	*	20.0	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	2.7	*	0.0	5.6	*	0.0	8.0	*
Open Reduction of Hip Fracture	15	0.0	7.3	*	6.7	13.7	*	13.3	17.8	*
Prostatectomy	19	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*
Cholecystectomy	16	0.0	2.9	*	0.0	4.7	*	0.0	6.0	*
Hysterectomy	9	0.0	0.6	*	0.0	1.2	*	11.1	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	104
Occupancy Rate	54
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	41
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	84
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

J C BLAIR MEMORIAL HOSPITAL

Medicare Provider Number: 390056

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	897	10.8	10.8	1.0	15.7	15.5	1.2	18.5	19.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	37	37.8	30.1	*	40.5	34.2	*	45.9	38.3	*
Congestive Heart Failure	65	15.4	16.5	4.7	24.6	24.7	5.7	27.7	31.4	7.5
Pneumonia/Influenza	42	14.3	17.4	*	19.0	23.4	*	23.8	28.2	*
Chronic Obstructive Pulmonary Disease	12	0.0	7.1	*	0.0	12.9	*	0.0	18.1	*
Transient Cerebral Ischemia	15	0.0	2.3	*	13.3	5.1	*	20.0	8.1	*
Stroke	46	28.3	22.8	*	37.0	29.5	*	41.3	34.0	*
Hip Fracture	14	0.0	6.8	*	0.0	12.3	*	0.0	15.7	*
Sepsis	20	25.0	26.3	*	40.0	32.2	*	45.0	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	1.9	*	0.0	3.6	*	0.0	4.9	*
Open Reduction of Hip Fracture	7	0.0	6.9	*	0.0	12.9	*	0.0	16.7	*
Prostatectomy	27	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	20	0.0	1.3	*	5.0	2.3	*	5.0	2.9	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	893	8.3	10.2	1.3	12.1	15.1	1.8	15.8	19.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	48	27.1	26.9	*	29.2	31.1	*	31.3	34.9	*
Congestive Heart Failure	48	12.5	17.1	*	14.6	26.2	*	22.9	33.7	*
Pneumonia/Influenza	49	16.3	17.1	*	24.5	23.4	*	28.6	28.5	*
Chronic Obstructive Pulmonary Disease	17	5.9	12.0	*	17.6	19.3	*	29.4	24.8	*
Transient Cerebral Ischemia	18	0.0	2.1	*	0.0	4.9	*	5.6	7.9	*
Stroke	48	20.8	21.2	*	25.0	27.9	*	33.3	32.6	*
Hip Fracture	18	0.0	8.0	*	5.6	13.7	*	11.1	17.2	*
Sepsis	7	0.0	20.2	*	0.0	27.0	*	0.0	33.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	3.3	*	5.6	6.4	*	5.6	8.6	*
Open Reduction of Hip Fracture	8	0.0	8.6	*	0.0	15.2	*	0.0	19.2	*
Prostatectomy	24	0.0	1.0	*	0.0	2.5	*	0.0	4.1	*
Cholecystectomy	16	0.0	1.3	*	0.0	2.3	*	0.0	3.1	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JAMESON MEMORIAL HOSPITAL

West Leisure Ave
New Castle, PA 16101

Medicare Provider Number: 390016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,989	7.2	8.8	1.1	11.9	13.7	1.3	15.9	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	63	30.2	29.6	5.8	33.3	33.1	6.1	34.9	36.8	6.3
Congestive Heart Failure	124	16.1	16.3	3.8	25.0	25.1	4.1	32.3	32.2	5.5
Pneumonia/Influenza	80	16.2	18.3	4.6	21.2	24.8	6.3	23.7	29.8	6.4
Chronic Obstructive Pulmonary Disease	37	8.1	9.4	*	10.8	16.3	*	16.2	22.1	*
Transient Cerebral Ischemia	57	0.0	2.1	3.6	7.0	4.7	4.3	10.5	7.5	6.2
Stroke	74	10.8	17.9	7.5	21.6	24.7	8.8	23.0	29.2	9.9
Hip Fracture	41	4.9	7.1	*	14.6	12.6	*	22.0	16.4	*
Sepsis	23	30.4	25.9	*	34.8	34.0	*	39.1	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.6	*	0.0	4.7	*	0.0	6.5	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	48	0.0	2.1	*	4.2	3.9	*	6.3	5.2	*
Open Reduction of Hip Fracture	23	4.3	6.6	*	8.7	12.1	*	21.7	15.8	*
Prostatectomy	29	0.0	0.9	*	0.0	2.1	*	0.0	3.7	*
Cholecystectomy	48	2.1	3.4	*	4.2	6.2	*	4.2	8.1	*
Hysterectomy	22	4.5	0.2	*	4.5	0.4	*	9.1	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	230
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	67
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	182
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JAMESON MEMORIAL HOSPITAL

Medicare Provider Number: 390016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,145	7.9	9.3	1.0	13.0	14.2	1.0	16.7	18.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	57	28.1	28.2	6.4	36.8	31.9	7.4	38.6	35.7	7.6
Congestive Heart Failure	124	13.7	16.4	3.5	18.5	25.0	4.4	24.2	31.8	4.8
Pneumonia/Influenza	98	16.3	18.3	5.0	23.5	24.5	4.9	27.6	29.4	4.9
Chronic Obstructive Pulmonary Disease	35	5.7	9.8	*	8.6	16.5	*	14.3	22.2	*
Transient Cerebral Ischemia	69	1.4	2.5	2.1	8.7	5.6	4.5	8.7	8.8	3.4
Stroke	70	18.6	20.9	5.6	25.7	28.2	6.3	28.6	32.9	7.5
Hip Fracture	46	4.3	7.6	*	13.0	13.6	*	15.2	17.3	*
Sepsis	26	23.1	29.0	*	30.8	37.1	*	38.5	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	27.6	*	0.0	31.8	*	0.0	35.2	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction	52	0.0	1.2	2.1	1.9	2.3	2.6	3.8	3.1	3.1
Open Reduction of Hip Fracture	33	6.1	6.8	*	15.2	12.7	*	15.2	16.5	*
Prostatectomy	52	0.0	0.9	1.5	0.0	2.0	2.7	1.9	3.3	2.8
Cholecystectomy	36	5.6	5.9	*	11.1	9.9	*	11.1	12.1	*
Hysterectomy	15	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,021	7.8	8.3	0.8	13.1	12.9	0.8	16.5	16.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	69	26.1	26.5	6.8	29.0	29.8	6.3	31.9	33.0	5.9
Congestive Heart Failure	126	21.4	17.6	3.8	32.5	26.8	4.5	42.9	34.3	5.5
Pneumonia/Influenza	90	18.9	17.2	7.4	27.8	23.3	8.5	31.1	28.3	7.1
Chronic Obstructive Pulmonary Disease	49	6.1	9.1	*	12.2	16.1	*	18.4	22.0	*
Transient Cerebral Ischemia	55	1.8	2.1	1.9	3.6	4.6	2.9	7.3	7.3	3.5
Stroke	59	30.5	20.3	9.7	37.3	27.6	9.6	39.0	32.1	9.4
Hip Fracture	44	2.3	6.8	*	6.8	12.3	*	11.4	15.9	*
Sepsis	19	15.8	25.7	*	26.3	33.4	*	26.3	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.8	*	0.0	5.4	*	0.0	8.0	*
Carotid Endarterectomy	13	7.7	1.8	*	7.7	3.3	*	23.1	4.8	*
Hip Replacement/Reconstruction	47	0.0	1.3	*	2.1	2.3	*	2.1	3.1	*
Open Reduction of Hip Fracture	29	3.4	6.2	*	6.9	11.9	*	13.8	15.8	*
Prostatectomy	43	0.0	1.3	*	2.3	3.2	*	4.7	5.3	*
Cholecystectomy	27	7.4	2.3	*	7.4	4.0	*	7.4	5.3	*
Hysterectomy	16	0.0	1.4	*	0.0	2.9	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

193.1

JAMESON
MEMORIAL
HOSPITAL

1211 WILMINGTON AVE. · NEW CASTLE, PA. 16105 - 2595
412 - 658 - 9001

MEDICARE PROVIDER #390016

January 9, 1991

Health Care Financing Administration
Health Standards And Quality Bureau
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

While Jameson Memorial Hospital continues to support the usefulness of HCFA's mortality information for quality screening purposes by clinicians, it is generally well accepted that the data is not meaningful to the consumer as a measure of hospital performance.

Although Jameson Memorial Hospital once again appears most favorably and well within predicted ranges of mortality for all categories, we continue to identify shortcomings in HCFA's reporting process.

First and foremost, available hospital clinical data is limited thereby prohibiting HCFA from performing adequate adjustments necessary to measure severity of illness and patient characteristics that impact on mortality.

In addition, HCFA's process for Diagnosis and/or Procedural categorization was based on selection of one random patient hospitalization rather than the most recent hospitalization preceding death. As a result, the reported numbers yield nonconclusive findings relative to a patient's condition at the time of death. HCFA's category groupings can be misleading as patients may have died from other diseases unrelated to the reported conditions or procedures.

It should also be pointed out that deaths are reported in a cumulative manner and an expiration that appears in the 30 day column also is reflected in the 90 and 180 day groupings. Deaths that occur after a patient left the hospital, particularly at 90 and 180 day intervals are difficult to interpret and suspect to outside factors contributing to the patient's demise. HCFA's purpose in reporting at 90 day and 180 day intervals was that clinicians may be more interested in long term survival for some diseases and short term survival for others. Although this is certainly true for diseases of the chronic or terminal nature, again such information is not useful to the general public for evaluation of overall hospital quality services.

Jameson Memorial Hospital and its Medical Staff continue to place quality assurance and review as a top priority in their delivery of health care services. Such reviews are ongoing, systematic and involve a case by case assessment by the appropriate peer group. This peer process continues to be the most reliable and effective means by which to evaluate quality of care.

We continue to welcome future opportunities to comment on published reports that include our hospital data.

Sincerely,

Thomas White

Thomas White, FACHE
President/CEO

TW/dr

JEANES HOSPITAL

7600 Central Ave
Philadelphia, PA 19111

Medicare Provider Number: 390080

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,736	9.7	9.9	0.8	16.3	15.6	0.9	20.8	20.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	62	40.3	31.0	9.9	48.4	34.3	11.2	50.0	38.0	12.0
Congestive Heart Failure	154	15.6	18.3	3.4	22.1	28.3	4.7	32.5	36.0	4.4
Pneumonia/Influenza	127	20.5	18.8	3.7	29.9	25.5	5.6	35.4	30.6	7.4
Chronic Obstructive Pulmonary Disease	35	5.7	12.1	*	22.9	19.6	*	25.7	25.6	*
Transient Cerebral Ischemia	93	1.1	1.9	1.6	1.1	4.2	3.6	3.2	6.7	4.1
Stroke	121	15.7	20.3	5.3	20.7	27.4	6.4	28.1	31.9	5.1
Hip Fracture	86	10.5	6.9	3.4	18.6	12.5	5.5	24.4	16.3	6.3
Sepsis	33	27.3	31.5	*	42.4	40.3	*	54.5	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	4.0	*	15.0	7.2	*	20.0	10.4	*
Carotid Endarterectomy	20	0.0	1.4	*	10.0	2.6	*	10.0	3.7	*
Hip Replacement/Reconstruction	41	7.3	3.7	*	14.6	7.3	*	17.1	10.1	*
Open Reduction of Hip Fracture	49	10.2	6.8	*	18.4	12.8	*	24.5	16.8	*
Prostatectomy	49	2.0	1.4	*	2.0	3.3	*	2.0	5.4	*
Cholecystectomy	51	2.0	2.5	2.6	2.0	4.6	4.0	2.0	6.1	5.0
Hysterectomy	25	4.0	1.3	*	4.0	2.8	*	8.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	208
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	232
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	192
Licensed Practical Nurses	71

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JEANES HOSPITAL

Medicare Provider Number: 390080

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,782	10.1	10.3	0.6	16.2	15.8	0.7	20.7	20.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	64	21.9	26.1	7.3	25.0	29.3	7.6	28.1	32.9	7.5
Congestive Heart Failure	148	21.6	17.9	4.8	30.4	27.0	7.0	39.2	34.3	7.9
Pneumonia/Influenza	148	20.9	20.0	3.4	25.7	26.7	3.9	32.4	31.9	4.2
Chronic Obstructive Pulmonary Disease	18	5.6	9.6	*	16.7	16.4	*	22.2	22.1	*
Transient Cerebral Ischemia	122	5.7	2.0	2.4	6.6	4.4	2.8	9.8	7.0	2.9
Stroke	128	18.8	20.5	4.1	33.6	27.6	4.6	36.7	32.3	4.5
Hip Fracture	83	1.2	6.6	4.5	7.2	12.3	5.7	12.0	16.0	4.9
Sepsis	31	22.6	31.7	*	41.9	41.6	*	48.4	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	4.8	*	13.6	9.3	*	22.7	12.9	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	48	0.0	4.6	*	6.3	8.7	*	8.3	11.6	*
Open Reduction of Hip Fracture	43	2.3	5.9	*	7.0	11.4	*	11.6	15.2	*
Prostatectomy	53	1.9	0.8	1.6	3.8	1.9	2.6	3.8	3.2	3.1
Cholecystectomy	54	0.0	2.9	3.8	5.6	5.1	3.4	9.3	6.5	4.4
Hysterectomy	16	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,779	11.3	10.8	0.7	17.8	16.5	0.9	22.1	20.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	86	26.7	30.2	6.0	31.4	33.8	6.1	34.9	37.4	6.3
Congestive Heart Failure	155	23.9	18.5	5.8	33.5	27.9	6.1	40.6	35.4	6.7
Pneumonia/Influenza	116	16.4	20.9	7.1	22.4	27.8	8.5	27.6	33.2	7.4
Chronic Obstructive Pulmonary Disease	33	15.2	12.8	*	27.3	19.8	*	30.3	25.1	*
Transient Cerebral Ischemia	90	2.2	2.3	1.7	5.6	5.1	2.3	8.9	8.0	3.9
Stroke	90	21.1	21.4	6.9	26.7	29.0	6.2	32.2	33.6	5.9
Hip Fracture	77	3.9	6.8	3.2	10.4	12.8	4.3	22.1	16.8	5.0
Sepsis	37	35.1	33.4	*	62.2	43.1	*	62.2	50.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	3.1	*	6.7	5.9	*	6.7	8.7	*
Carotid Endarterectomy	9	0.0	1.9	*	0.0	3.9	*	0.0	5.7	*
Hip Replacement/Reconstruction	50	4.0	4.1	*	8.0	8.0	*	16.0	10.8	*
Open Reduction of Hip Fracture	33	6.1	5.4	*	15.2	10.6	*	24.2	14.3	*
Prostatectomy	61	1.6	1.0	2.8	6.6	2.3	3.5	8.2	3.8	4.4
Cholecystectomy	45	0.0	2.3	*	4.4	3.9	*	4.4	5.1	*
Hysterectomy	12	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JEANNETTE DISTRICT MEMORIAL HOSPITAL

600 Jefferson Ave
Jeannette, PA 15644

Medicare Provider Number: 390010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,603	8.6	10.0	1.0	13.3	15.0	1.2	16.9	18.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	65	29.2	28.6	5.7	41.5	32.7	8.0	47.7	36.3	7.4
Congestive Heart Failure	112	14.3	14.7	3.7	22.3	23.1	4.1	28.6	30.1	4.6
Pneumonia/Influenza	78	11.5	14.3	4.3	14.1	19.4	5.4	15.4	23.7	6.7
Chronic Obstructive Pulmonary Disease	36	5.6	10.5	*	11.1	17.0	*	16.7	22.4	*
Transient Cerebral Ischemia	59	3.4	1.6	2.7	5.1	3.9	5.4	10.2	6.5	6.2
Stroke	70	22.9	24.0	6.5	31.4	30.6	6.4	31.4	35.0	6.9
Hip Fracture	27	0.0	5.8	*	0.0	10.2	*	3.7	13.1	*
Sepsis	33	18.2	30.2	*	27.3	40.1	*	36.4	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.7	*	0.0	8.9	*	0.0	12.9	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.5	*	0.0	5.4	*
Hip Replacement/Reconstruction	20	0.0	4.3	*	0.0	7.7	*	0.0	9.9	*
Open Reduction of Hip Fracture	9	0.0	4.8	*	0.0	8.7	*	11.1	11.2	*
Prostatectomy	42	2.4	1.1	*	2.4	2.6	*	2.4	4.6	*
Cholecystectomy	27	3.7	2.8	*	7.4	5.3	*	7.4	7.2	*
Hysterectomy	9	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 162
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 124
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 137
Licensed Practical Nurses 38

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

JEANNETTE DISTRICT MEMORIAL HOSPITAL

Medicare Provider Number: 390010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,638	7.4	9.5	1.0	11.7	14.3	1.1	14.4	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	52	30.8	30.7	8.7	48.1	35.2	8.8	51.9	39.2	9.3
Congestive Heart Failure	126	12.7	16.6	5.8	21.4	25.3	6.5	26.2	32.2	7.7
Pneumonia/Influenza	73	8.2	15.2	6.2	15.1	20.5	6.1	17.8	24.8	6.5
Chronic Obstructive Pulmonary Disease	34	11.8	10.4	*	14.7	17.7	*	20.6	23.8	*
Transient Cerebral Ischemia	55	3.6	1.5	2.8	5.5	3.6	4.5	12.7	6.2	5.0
Stroke	92	22.8	23.0	4.8	29.3	29.9	4.9	32.6	34.4	5.4
Hip Fracture	20	0.0	6.6	*	0.0	11.6	*	0.0	14.8	*
Sepsis	33	27.3	28.0	*	30.3	37.6	*	33.3	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	16.7	*	50.0	23.9	*	50.0	28.4	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	2.2	*	0.0	3.5	*
Hip Replacement/Reconstruction	7	0.0	4.4	*	0.0	7.9	*	0.0	10.0	*
Open Reduction of Hip Fracture	12	0.0	5.2	*	0.0	9.8	*	0.0	13.0	*
Prostatectomy	49	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Cholecystectomy	35	0.0	3.2	*	0.0	5.0	*	5.7	6.1	*
Hysterectomy	9	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,747	7.6	9.6	0.9	12.2	14.5	1.2	14.9	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	56	25.0	29.5	8.7	32.1	33.1	7.5	37.5	36.5	6.5
Congestive Heart Failure	122	11.5	17.3	6.1	19.7	26.2	6.5	27.0	33.3	6.8
Pneumonia/Influenza	62	9.7	17.6	6.5	16.1	23.5	7.0	17.7	28.3	8.1
Chronic Obstructive Pulmonary Disease	44	2.3	12.7	*	6.8	19.8	*	6.8	25.1	*
Transient Cerebral Ischemia	67	0.0	1.8	2.3	0.0	3.9	4.2	3.0	6.1	3.9
Stroke	73	16.4	23.8	9.2	21.9	31.2	11.1	27.4	35.8	10.1
Hip Fracture	29	3.4	7.1	*	10.3	12.2	*	13.8	15.4	*
Sepsis	30	13.3	27.7	*	23.3	37.4	*	23.3	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.5	*	8.3	7.3	*	8.3	10.7	*
Carotid Endarterectomy	6	0.0	2.2	*	0.0	4.2	*	0.0	6.1	*
Hip Replacement/Reconstruction	8	0.0	4.8	*	0.0	8.4	*	0.0	11.0	*
Open Reduction of Hip Fracture	19	0.0	6.4	*	10.5	11.8	*	15.8	15.2	*
Prostatectomy	41	2.4	1.1	*	4.9	2.8	*	4.9	4.9	*
Cholecystectomy	33	6.1	2.9	*	9.1	4.8	*	12.1	6.3	*
Hysterectomy	7	0.0	0.6	*	0.0	1.3	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JEFFERSON HOSPITAL

Coal Valley Rd
Pittsburgh, PA 15236

Medicare Provider Number: 390265

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,240	7.7	8.2	0.5	12.3	12.9	0.6	15.7	16.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	126	26.2	26.5	4.0	27.8	29.8	4.7	30.2	33.1	6.2
Congestive Heart Failure	266	14.3	14.9	2.4	22.6	23.1	4.2	27.4	29.9	4.5
Pneumonia/Influenza	174	16.7	17.5	3.0	23.0	24.1	3.8	28.2	29.1	3.7
Chronic Obstructive Pulmonary Disease	126	5.6	8.6	3.4	14.3	15.3	3.4	19.0	21.1	4.1
Transient Cerebral Ischemia	85	2.4	1.7	1.6	5.9	3.9	2.9	8.2	6.4	3.8
Stroke	138	15.9	17.5	4.3	21.7	24.2	4.9	23.9	28.4	7.2
Hip Fracture	90	2.2	6.0	3.9	5.6	11.0	5.6	7.8	14.3	6.7
Sepsis	35	17.1	26.6	*	20.0	36.0	*	22.9	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	43	2.3	3.9	*	2.3	7.3	*	2.3	10.2	*
Carotid Endarterectomy	17	5.9	1.2	*	5.9	2.3	*	5.9	3.5	*
Hip Replacement/Reconstruction	62	3.2	3.1	2.3	4.8	5.9	3.1	8.1	8.0	3.5
Open Reduction of Hip Fracture	51	2.0	5.7	5.5	5.9	10.7	8.5	7.8	14.1	10.1
Prostatectomy	142	2.8	1.2	1.6	4.2	2.9	1.8	4.9	4.8	1.8
Cholecystectomy	90	4.4	3.5	2.5	7.8	6.3	4.6	12.2	8.1	5.6
Hysterectomy	22	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	464
Occupancy Rate	89
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	279
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	455
Licensed Practical Nurses	67

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JEFFERSON HOSPITAL

Medicare Provider Number: 390265

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,258	7.4	8.9	0.5	12.0	13.7	0.7	15.6	17.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	127	22.0	30.5	4.8	25.2	33.7	5.0	25.2	37.2	5.7
Congestive Heart Failure	232	11.2	15.4	3.9	19.8	23.4	3.9	25.4	30.1	4.5
Pneumonia/Influenza	130	14.6	18.4	4.7	23.8	25.0	4.5	28.5	29.9	4.8
Chronic Obstructive Pulmonary Disease	126	4.0	9.1	3.3	9.5	15.4	4.0	14.3	20.6	4.5
Transient Cerebral Ischemia	87	3.4	1.6	2.1	5.7	3.6	2.8	6.9	6.0	2.8
Stroke	179	17.3	18.2	3.7	21.2	25.2	5.6	25.1	29.8	6.9
Hip Fracture	83	6.0	7.3	3.3	14.5	13.0	4.1	18.1	16.6	4.5
Sepsis	39	15.4	23.8	*	25.6	31.8	*	30.8	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	41	4.9	8.0	*	14.6	13.2	*	17.1	17.1	*
Carotid Endarterectomy	15	0.0	1.4	*	0.0	2.7	*	6.7	3.9	*
Hip Replacement/Reconstruction	62	4.8	4.2	4.3	14.5	7.6	7.1	16.1	9.8	8.4
Open Reduction of Hip Fracture	42	2.4	6.8	*	4.8	12.7	*	9.5	16.7	*
Prostatectomy	123	1.6	1.3	1.2	5.7	3.1	2.4	8.9	5.0	3.9
Cholecystectomy	110	0.9	3.5	2.6	2.7	6.4	3.7	5.5	8.4	3.9
Hysterectomy	15	0.0	0.9	*	0.0	2.0	*	6.7	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,031	8.5	8.9	0.7	12.7	13.7	0.8	16.1	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	147	26.5	27.6	3.9	30.6	30.9	4.0	31.3	34.1	4.6
Congestive Heart Failure	261	16.9	17.5	4.0	24.1	26.3	4.6	31.0	33.5	4.9
Pneumonia/Influenza	118	14.4	17.6	5.4	18.6	23.5	5.1	28.0	28.2	4.1
Chronic Obstructive Pulmonary Disease	117	8.5	11.7	4.4	14.5	19.1	6.8	20.5	24.6	7.4
Transient Cerebral Ischemia	83	1.2	2.0	1.7	4.8	4.3	2.3	7.2	6.7	2.9
Stroke	144	18.8	19.7	4.8	22.2	27.0	6.8	27.1	31.5	7.6
Hip Fracture	87	5.7	7.3	3.5	10.3	12.7	6.6	11.5	16.1	7.5
Sepsis	38	28.9	27.5	*	42.1	37.2	*	42.1	44.1	*
PROCEDURES:										
Angioplasty	1	0.0	2.0	*	0.0	3.2	*	0.0	4.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	3.4	3.4	*	3.4	6.7	*	6.9	9.8	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	67	3.0	3.9	2.6	7.5	7.5	3.7	9.0	9.9	4.3
Open Reduction of Hip Fracture	42	7.1	7.3	*	9.5	13.1	*	11.9	16.4	*
Prostatectomy	127	0.8	1.3	1.1	3.1	3.1	1.6	4.7	5.1	2.1
Cholecystectomy	90	3.3	3.1	1.9	4.4	5.6	2.7	6.7	7.2	3.4
Hysterectomy	16	0.0	1.7	*	0.0	2.3	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JEFFERSON PARK HOSPITAL

3905 Ford Rd
Philadelphia, PA 19131

Medicare Provider Number: 390149

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	749	9.3	10.9	1.3	16.4	16.2	1.4	20.6	20.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	35.3	*	33.3	40.1	*	44.4	44.8	*
Congestive Heart Failure	42	11.9	14.6	*	16.7	22.7	*	23.8	29.4	*
Pneumonia/Influenza	49	22.4	19.4	*	34.7	26.1	*	38.8	31.2	*
Chronic Obstructive Pulmonary Disease	7	0.0	8.6	*	0.0	14.9	*	0.0	20.4	*
Transient Cerebral Ischemia	20	0.0	2.1	*	5.0	4.6	*	5.0	7.4	*
Stroke	30	13.3	17.4	*	20.0	24.8	*	23.3	29.2	*
Hip Fracture	27	11.1	8.6	*	29.6	14.9	*	40.7	18.9	*
Sepsis	13	46.2	25.4	*	53.8	34.3	*	53.8	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.8	*	0.0	4.5	*	0.0	7.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	1.9	*	0.0	3.3	*	0.0	4.5	*
Open Reduction of Hip Fracture	16	6.3	8.4	*	25.0	15.2	*	43.8	19.4	*
Prostatectomy	27	0.0	0.9	*	0.0	2.4	*	3.7	4.0	*
Cholecystectomy	6	0.0	4.7	*	16.7	8.2	*	16.7	9.9	*
Hysterectomy	3	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	80
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	145
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	59
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JEFFERSON PARK HOSPITAL

Medicare Provider Number: 390149

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	800	10.1	11.6	1.3	16.4	17.1	1.4	20.0	21.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	30	16.7	37.3	*	26.7	42.2	*	30.0	46.5	*
Congestive Heart Failure	63	12.7	17.6	9.3	19.0	26.6	9.0	30.2	33.9	8.0
Pneumonia/Influenza	29	13.8	17.3	*	20.7	23.1	*	20.7	27.7	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.7	*	0.0	8.6	*	0.0	11.9	*
Transient Cerebral Ischemia	13	0.0	2.8	*	15.4	6.8	*	15.4	11.1	*
Stroke	39	15.4	24.0	*	30.8	33.1	*	33.3	38.6	*
Hip Fracture	29	6.9	8.7	*	17.2	15.8	*	20.7	20.1	*
Sepsis	14	35.7	33.3	*	50.0	44.2	*	50.0	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.8	*	0.0	5.4	*	0.0	7.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.0	*	0.0	10.0	*	11.1	13.6	*
Open Reduction of Hip Fracture	15	0.0	8.2	*	20.0	15.3	*	20.0	19.8	*
Prostatectomy	23	0.0	1.1	*	4.3	2.7	*	8.7	4.5	*
Cholecystectomy	9	0.0	1.4	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	7	14.3	0.4	*	14.3	0.6	*	14.3	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	894	10.7	12.0	1.2	17.4	17.9	1.3	22.0	22.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	28.6	32.8	*	32.1	36.0	*	32.1	39.4	*
Congestive Heart Failure	61	6.6	16.8	7.7	19.7	25.3	9.3	23.0	32.3	8.1
Pneumonia/Influenza	32	9.4	19.9	*	15.6	26.2	*	21.9	31.3	*
Chronic Obstructive Pulmonary Disease	7	14.3	14.7	*	28.6	22.8	*	28.6	27.9	*
Transient Cerebral Ischemia	18	0.0	2.1	*	0.0	4.9	*	0.0	8.1	*
Stroke	48	25.0	23.3	*	37.5	31.7	*	45.8	36.6	*
Hip Fracture	16	18.8	8.5	*	18.8	15.2	*	25.0	19.6	*
Sepsis	14	42.9	33.0	*	64.3	44.0	*	64.3	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	4.1	*	10.0	6.9	*	10.0	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.5	*	0.0	10.2	*	0.0	13.2	*
Open Reduction of Hip Fracture	8	25.0	8.3	*	25.0	15.7	*	37.5	20.6	*
Prostatectomy	23	4.3	2.6	*	8.7	6.7	*	13.0	11.4	*
Cholecystectomy	10	10.0	5.1	*	10.0	9.6	*	10.0	12.6	*
Hysterectomy	5	0.0	0.6	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Jefferson
Park
Hospital

201.2
Ford Road & Fairmount Park
Philadelphia, PA 19131
215 578-3400
FAX 215 578-5633

Medicare Provider No. 390149

January 8, 1991

Jefferson Park Hospital endorses the Health Care Financing Administration's intent to provide information regarding healthcare to consumers. In the pursuit of offering optimum patient care, this hospital subjects 100% of mortalities to physician peer review, assessing all variables to determine treatment appropriateness and target areas where care can be improved.

Although the overall mortality rate for Jefferson Park Hospital is favorably below the predicted rate, it is felt that data in the Health Care Financing Administration report does not accurately communicate the quality of care available at this institution. Consumers may be misled because the number of cases per category is too small for meaningful analysis and comparison with larger institutions.

Compared to previous years, improvements are seen in this model. Limitations do remain, such as, the inability to incorporate important differences relating to patient severity of illness upon admission, personal choice of life support treatment, social and economic backgrounds. All of these affect the patient's condition and prognosis.

As part of Thomas Jefferson University's healthcare system Jefferson Park Hospital will continue its commitment to provide quality care to all patients. Through our existing quality assurance program, which incorporates medical staff and all clinical departments, we will continue to focus on improving the quality and efficiency of care rendered to our patients.

Sincerely,

Max Goodman
Administrator

MG:bjm

JERSEY SHORE HOSPITAL

Thompson St
Jersey Shore, PA 17740

Medicare Provider Number: 390106

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	380	5.3	6.9	1.6	10.3	10.7	1.7	12.6	13.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	13	46.2	25.5	*	53.8	29.7	*	53.8	33.6	*
Congestive Heart Failure	21	14.3	14.4	*	28.6	22.1	*	38.1	28.6	*
Pneumonia/Influenza	18	5.6	10.3	*	5.6	14.2	*	5.6	17.3	*
Chronic Obstructive Pulmonary Disease	13	0.0	4.4	*	7.7	8.2	*	7.7	11.7	*
Transient Cerebral Ischemia	17	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Stroke	20	5.0	17.8	*	15.0	24.2	*	15.0	28.5	*
Hip Fracture	9	11.1	5.3	*	11.1	9.6	*	11.1	12.5	*
Sepsis	4	0.0	14.3	*	0.0	18.8	*	0.0	21.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.1	*	0.0	2.3	*	0.0	3.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	3.7	*	25.0	7.4	*	25.0	10.0	*
Open Reduction of Hip Fracture	4	0.0	6.0	*	0.0	11.0	*	0.0	14.3	*
Prostatectomy	12	8.3	1.3	*	16.7	3.2	*	16.7	5.3	*
Cholecystectomy	11	0.0	0.9	*	0.0	1.4	*	0.0	1.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	52
Occupancy Rate	29
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	25
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	29
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JERSEY SHORE HOSPITAL

Medicare Provider Number: 390106

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	408	8.3	7.8	1.6	12.5	12.0	1.7	15.0	15.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	26.0	*	22.2	29.4	*	22.2	33.2	*
Congestive Heart Failure	20	20.0	17.2	*	30.0	26.5	*	45.0	33.9	*
Pneumonia/Influenza	21	14.3	11.8	*	19.0	16.4	*	19.0	20.1	*
Chronic Obstructive Pulmonary Disease	9	11.1	11.2	*	11.1	19.0	*	11.1	24.7	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.5	*	0.0	7.1	*
Stroke	17	5.9	20.2	*	17.6	26.3	*	23.5	31.0	*
Hip Fracture	11	9.1	7.1	*	45.5	12.9	*	54.5	16.6	*
Sepsis	5	20.0	14.7	*	20.0	19.7	*	20.0	25.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	11.1	*	0.0	20.7	*	0.0	29.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	2.0	*	0.0	4.2	*	0.0	6.0	*
Open Reduction of Hip Fracture	10	10.0	6.5	*	50.0	12.5	*	60.0	16.3	*
Prostatectomy	6	0.0	0.9	*	0.0	1.9	*	16.7	2.8	*
Cholecystectomy	11	0.0	1.6	*	0.0	3.1	*	9.1	4.4	*
Hysterectomy	3	0.0	0.7	*	0.0	1.3	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	444	7.4	8.5	1.6	11.9	12.2	1.6	15.5	15.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	28.9	*	36.8	32.9	*	36.8	36.5	*
Congestive Heart Failure	18	11.1	14.6	*	22.2	22.7	*	33.3	29.4	*
Pneumonia/Influenza	19	5.3	14.9	*	5.3	20.4	*	5.3	25.1	*
Chronic Obstructive Pulmonary Disease	7	14.3	3.9	*	14.3	8.1	*	28.6	12.1	*
Transient Cerebral Ischemia	9	0.0	1.1	*	0.0	2.2	*	0.0	3.3	*
Stroke	22	18.2	23.2	*	22.7	29.8	*	22.7	34.6	*
Hip Fracture	9	11.1	4.7	*	11.1	9.1	*	22.2	12.3	*
Sepsis	8	37.5	31.6	*	37.5	38.3	*	50.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.3	*	0.0	7.0	*	16.7	10.2	*
Open Reduction of Hip Fracture	3	33.3	5.3	*	33.3	9.7	*	33.3	12.4	*
Prostatectomy	11	0.0	1.4	*	0.0	3.6	*	9.1	6.1	*
Cholecystectomy	9	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Hysterectomy	1	0.0	3.7	*	0.0	7.6	*	0.0	10.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JOHN F KENNEDY MEMORIAL HOSPITAL

Langdon St and Cheltenham Ave
Philadelphia, PA 19124

Medicare Provider Number: 390083

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	662	9.5	9.4	1.2	13.1	14.0	1.6	16.6	17.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	25	40.0	30.8	*	40.0	33.8	*	40.0	37.0	*
Congestive Heart Failure	43	20.9	15.3	*	27.9	23.7	*	34.9	30.6	*
Pneumonia/Influenza	14	7.1	16.8	*	14.3	22.4	*	21.4	27.1	*
Chronic Obstructive Pulmonary Disease	25	0.0	7.5	*	0.0	13.0	*	4.0	17.7	*
Transient Cerebral Ischemia	28	7.1	2.0	*	10.7	4.7	*	10.7	7.5	*
Stroke	28	14.3	19.2	*	17.9	25.5	*	21.4	29.7	*
Hip Fracture	11	18.2	6.5	*	27.3	12.2	*	27.3	16.1	*
Sepsis	10	30.0	25.7	*	40.0	35.2	*	40.0	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	0.0	4.2	*	0.0	6.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	3.3	*	12.5	6.6	*	12.5	9.2	*
Open Reduction of Hip Fracture	5	20.0	7.2	*	40.0	13.9	*	40.0	18.4	*
Prostatectomy	30	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy	5	0.0	2.2	*	0.0	3.5	*	0.0	4.3	*
Hysterectomy	5	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	171
Occupancy Rate	50
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	197
Percent of Physicians Board Certified Specialists	41
Medical Residents/Interns	0
Registered Nurses	81
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOHN F KENNEDY MEMORIAL HOSPITAL

Medicare Provider Number: 390083

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	906	8.7	9.8	1.8	14.7	14.7	2.0	18.0	18.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	33	15.2	26.5	*	15.2	29.6	*	18.2	33.0	*
Congestive Heart Failure	77	13.0	15.6	4.7	26.0	24.1	5.3	35.1	31.0	8.5
Pneumonia/Influenza	14	14.3	20.9	*	35.7	27.6	*	42.9	32.4	*
Chronic Obstructive Pulmonary Disease	25	12.0	9.6	*	24.0	15.9	*	24.0	21.2	*
Transient Cerebral Ischemia	21	9.5	1.8	*	14.3	4.0	*	19.0	6.4	*
Stroke	34	20.6	19.3	*	26.5	25.6	*	26.5	30.0	*
Hip Fracture	24	8.3	6.1	*	16.7	11.0	*	16.7	14.2	*
Sepsis	10	30.0	26.5	*	40.0	34.1	*	40.0	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.5	*	0.0	5.9	*	0.0	8.4	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.8	*	50.0	4.1	*
Hip Replacement/Reconstruction	11	0.0	4.1	*	0.0	8.1	*	0.0	10.9	*
Open Reduction of Hip Fracture	11	18.2	6.7	*	27.3	12.1	*	27.3	15.5	*
Prostatectomy	28	0.0	1.3	*	3.6	3.2	*	7.1	5.5	*
Cholecystectomy	12	0.0	2.8	*	0.0	5.5	*	0.0	7.4	*
Hysterectomy	2	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	981	8.0	9.8	1.4	13.0	14.7	1.5	16.9	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	58	12.1	26.7	7.5	15.5	29.8	7.4	20.7	33.2	7.3
Congestive Heart Failure	60	16.7	17.3	7.0	20.0	25.8	8.5	30.0	32.6	8.6
Pneumonia/Influenza	18	0.0	18.9	*	16.7	24.9	*	33.3	29.9	*
Chronic Obstructive Pulmonary Disease	35	2.9	12.2	*	22.9	20.4	*	25.7	26.6	*
Transient Cerebral Ischemia	20	0.0	1.7	*	0.0	3.5	*	0.0	5.4	*
Stroke	32	21.9	21.2	*	25.0	27.3	*	31.3	31.6	*
Hip Fracture	17	5.9	4.5	*	11.8	8.3	*	11.8	11.0	*
Sepsis	6	16.7	38.6	*	16.7	46.1	*	33.3	52.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.5	*	0.0	5.6	*	0.0	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	3.2	*	16.7	6.3	*	16.7	8.5	*
Open Reduction of Hip Fracture	10	0.0	4.4	*	10.0	8.6	*	10.0	11.6	*
Prostatectomy	58	0.0	1.0	1.6	1.7	2.5	2.3	1.7	4.1	3.4
Cholecystectomy	7	0.0	3.4	*	0.0	5.4	*	0.0	6.5	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

205.1

JOHN F. KENNEDY MEMORIAL HOSPITAL

Langdon St. & Cheltenham Ave.
Philadelphia, Pa. 19124
831-7000

January 15, 1991

to: Mrs. Sandra Kappert — Medicare Provider #390083
HCFA Health Standards and Quality Bureau
2-D-2 Meadows East Bldg., 6325 Security Blvd.
Baltimore, Maryland 21207

from: Robert B. Sklaroff, MD, UR/QA Office

The John F. Kennedy Memorial Hospital ["JFKMH"] hereby submits this commentary regarding FY 1989 Medicare Hospital Mortality Rates for publication in the 4th Edition of your compendium, pursuant to the 12/6/90 communication from Gail R. Wilensky, Ph. D. Because a Standard Deviation of statistical significance was not achieved for any Condition with observed ["O"] greater than predicted ["P"] mortality, because of small numbers, because of space-limitations, and because the presumed mechanism of death often didn't relate to the DRG, the cases will be pooled in this analysis. Note that the "O" death rate at 30 days was only 0.1 days greater at JFKMH than the "P" [yielding odds far greater than 1 in 4 that this difference is due to "chance"], and that the "O" death rate at 90 and 180 days were both lower than the "P."

The cases summarized here are drawn from all "O" deaths within 180 days among the following categories: Acute-MI (40% of 25=10), CHF (34.9% of 43=15), TIA (10.7% of 28=3), Hip Fracture (27.3% of 11=3) and Sepsis (40% of 10=4). Excluding an "outlier" who died at age 43 following multiple admissions due to alcoholic cardiomyopathy, cirrhosis, schizophrenia and hyponatremia, the ages of these 35 patients ranged from 60-94 years, with a median of 80 years; this astronomical value corroborates the fact that 43.8% of JFKMH admissions have Medicare, the 8th highest of the 27 Philadelphia hospitals listed in the recent Pa. Health Care Cost Containment Council "Hospital Effectiveness Report" ["HER"], publication #HE9-3-89. Because the reporting period of the latter was only three months, the preliminary nature of those data didn't merit response; the year-long HCFA reporting period does warrant study, albeit yielding conclusions no more profound than one would expect when performing a retrospective analysis of a subset of a population. The HER "Technical Notes" exclude from analysis all patients who left against medical advice or who were transferred to another general acute hospital. Applying these concepts, it should be noted that three patients had incorrect DRG entries, eight had been discharged (with the resultant inability to determine the cause of death), and three had been transferred (one to an tertiary-care acute hospital). This leaves 21 patients who are subject to more detailed analysis (noting that one patient had been readmitted on the same day following an AMA discharge and that another who had had partial-resection of a meningioma died within a day following admission): Sepsis (2), Hip Fracture (1), TIA (1), CHF (7) and Acute-MI (10).

Perhaps due to its union-ownership, JFKMH draws patients from all sections of Philadelphia, an adverse socio-economic prognostic factor contributing both to the nature and the severity of the illnesses treated; it is, therefore, vital to note the fact that all had multiple diagnoses, nine had been admitted on multiple recent occasions and six had been granted "Do Not Resuscitate" status. Did they all receive appropriate care? Yes Were any deaths preventable? No.

It is often difficult to determine the level of chronic disease activity extant at the time of admission, although the end-stage status of the natural history can be deduced from such clinical parameters as cachexia, anemia of chronic disease, and hypoalbuminemia. Eschewing a tabular presentation of remaining data, the impact of both co-morbidity severity and psychological factors (affecting medication-compliance, for example) must be weighed in each case.

A 94 year-old patient who died of multi-factorial sepsis had Strep septicemia, Pseudomonas/Staph pneumonia (ascribable to aspiration), Staph/Candida decubiti (covering 50% of his back), and Candida cystitis. An 84 year-old patient despondent over his wife's recent death had refused food/fluids from his family for weeks, was disoriented when admitted, his inanition/malnutrition/dehydration resulting in colonization by five pathogens, azotemia (creat.=9.2), a possible MI (increased cardiac enzymes), thrombocytopenia (DIC?) and acute respiratory failure (intubated). An 83 year-old patient had a week-long delay in repair of his hip fracture due to hyponatremia (111) and treatment of CHF (requiring a Swan-Ganz and a chest tube); his history of hypertension & breast cancer were noted, but his demise may have been ascribable more to a post-op coagulopathy (PT=16) associated with UGI bleeding. The one TIA patient who died at JFKMH was an 82 year-old with dehydration, azotemia, hyponatremia, septic shock, depression and DIC (PT=18 & platelets=86K) who had been refusing to ingest fluids at home during the days prior to admission.

Although those CHF patients who died at JFKMH harbored the same variegate pattern of co-morbidities as had been noted within the other samples of the patient population, acute-MI patients were far more apt to die cardiac deaths; there was probably overlap in these cases, noting that some CHF patients were acute-MI suspects and that some acute-MI patients died from pump-failure.

CHF. An 82 year-old had confusion/hydrocephalus/cortical-atrophy prior to suffering an acute CVA (right middle cerebral artery) on the fifth day of adm.; he also had a LVEF=30%, creat.=2.1, emphysema/bronchitis (1 ppd x 60 years) and hypertension. An 82 year-old with prostate cancer (PSA=537, with normal<4) had hypoglycemia (28), anemia (9.1), hypoalbuminemia (2.5), azotemia (creat.=1.6) and respiratory failure. A 76 year-old with cardiomyopathy (s/p CABG & vent. tach.), dementia, azotemia, fever (103), thrombocytopenia (104K), dehydration and hypernatremia (169) died within a day of admission. An 81 year-old with an acute antero-septal MI causing atrial fib. had aspiration pneumonia (requiring intubation) and a CVA. A 65 year-old with cardiomyopathy (with hypertension) had bilateral CVA's, IDDM, azotemia, and aspiration pneumonia causing sepsis. A 43 year-old with multiple admissions for alcoholic cardiomyopathy, cirrhosis, schizophrenia and hyponatremia was made a "DNR" prior to his death. A 75 year-old presented with coma (which never abated), respiratory failure, staph sepsis and azotemia.

Acute-MI. Myriad sites (anterior, antero-lateral, inferior, infero-posterior, interior/postero-lateral, sub-endocardial) were noted. Deaths occurred during lung scan and defecation, and as a natural consequence of anoxic encephalopathy upon admission. A 75 year-old with alcoholic cirrhosis and emphysema presented with shock, required a pacemaker, had LVEF=28%, had CPK>4000, and had a FUO. A 60 year-old with emphysema presented with coma, acute repiratory failure and electrolyte imbalance associated with ventricular tachycardia, mitral regurg., aortic regurg. and a ventricular aneurysm. A 79 year-old died within a day of admission with hypotension and LVEF=20%; EKGs showed atrial fib., RBBB, LAHB. An 83 year-old with OBS presented with CHF, uncontrolled diabetes, azotemia and mitral regurg. An 82 year-old with OBS presented with sick sinus syndrome and persistent pain. A 78 year-old presented with syncope/hypertension and died on the fifth day following an MI involving three cardiac walls. A 77 year-old with a prior stroke died within a day of admission for a subendocardial MI.

KENSINGTON HOSPITAL

136 W Diamond Street
Philadelphia, PA 19122

Medicare Provider Number: 390025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	135	0.0	3.5	3.7	0.7	5.9	5.1	3.7	8.2	4.4
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	26.9	*	0.0	29.2	*	0.0	32.4	*
Congestive Heart Failure	10	0.0	12.2	*	0.0	19.9	*	10.0	26.8	*
Pneumonia/Influenza	1	0.0	13.8	*	0.0	18.3	*	0.0	22.5	*
Chronic Obstructive Pulmonary Disease	5	0.0	4.6	*	0.0	8.6	*	0.0	12.3	*
Transient Cerebral Ischemia	9	0.0	1.6	*	0.0	3.5	*	0.0	5.6	*
Stroke	2	0.0	10.2	*	0.0	14.3	*	0.0	17.7	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	45
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	3
Registered Nurses	25
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

KENSINGTON HOSPITAL

Medicare Provider Number: 390025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	175	1.7	4.7	1.8	1.7	7.4	2.5	2.9	9.9	3.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	11	9.1	13.0	*	9.1	19.0	*	9.1	24.6	*
Pneumonia/Influenza	2	0.0	11.2	*	0.0	15.0	*	0.0	18.3	*
Chronic Obstructive Pulmonary Disease	8	0.0	6.5	*	0.0	11.6	*	12.5	16.4	*
Transient Cerebral Ischemia	11	0.0	1.3	*	0.0	3.0	*	0.0	4.7	*
Stroke	2	0.0	12.5	*	0.0	17.0	*	0.0	20.5	*
Hip Fracture	0									
Sepsis	1	0.0	27.2	*	0.0	31.3	*	0.0	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*
Cholecystectomy	1	0.0	3.6	*	0.0	7.4	*	0.0	11.6	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	138	0.7	4.5	2.2	1.4	7.5	3.2	4.3	10.2	3.4
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	5.3	*	0.0	8.0	*	0.0	10.5	*
Congestive Heart Failure	9	0.0	13.2	*	0.0	19.6	*	11.1	25.5	*
Pneumonia/Influenza	1	100.0	10.6	*	100.0	14.6	*	100.0	18.3	*
Chronic Obstructive Pulmonary Disease	11	0.0	12.5	*	0.0	19.2	*	0.0	24.2	*
Transient Cerebral Ischemia	8	0.0	1.5	*	0.0	3.3	*	12.5	5.1	*
Stroke	1	0.0	14.4	*	0.0	22.4	*	0.0	27.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LANCASTER GENERAL HOSPITAL

555 N Duke St
Lancaster, PA 17604

Medicare Provider Number: 390100

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,278	7.2	7.9	0.6	11.7	12.0	0.7	14.6	15.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	164	22.6	27.8	8.2	27.4	30.7	7.7	29.9	33.8	5.5
Congestive Heart Failure	246	16.3	14.3	2.5	26.0	22.0	3.3	29.7	28.6	3.2
Pneumonia/Influenza	126	16.7	14.8	3.8	21.4	20.4	3.8	26.2	24.7	4.3
Chronic Obstructive Pulmonary Disease	67	7.5	7.8	3.3	13.4	13.7	4.5	14.9	18.8	6.7
Transient Cerebral Ischemia	95	3.2	2.1	2.1	4.2	4.4	2.1	6.3	6.9	2.8
Stroke	176	17.6	23.4	4.7	24.4	29.8	5.5	26.7	34.3	6.3
Hip Fracture	181	5.0	6.8	2.2	13.3	12.3	3.0	18.2	15.9	3.2
Sepsis	52	26.9	22.9	9.5	32.7	31.0	7.8	38.5	37.1	6.9
PROCEDURES:										
Angioplasty	151	7.9	4.9	3.0	9.9	6.1	3.4	10.6	7.4	3.2
Coronary Artery Bypass Graft	246	3.7	6.1	2.3	6.9	8.6	2.4	8.5	10.2	2.2
Initial Pacemaker Insertion	135	2.2	3.4	2.4	4.4	6.8	3.8	5.9	9.9	5.0
Carotid Endarterectomy	25	0.0	1.6	*	4.0	3.1	*	4.0	4.6	*
Hip Replacement/Reconstruction	130	3.1	3.3	1.7	6.9	6.1	2.2	10.0	8.0	4.5
Open Reduction of Hip Fracture	93	5.4	6.1	3.7	11.8	11.4	4.1	15.1	14.9	3.7
Prostatectomy	165	0.6	1.1	1.8	3.0	2.5	2.4	6.1	4.1	2.9
Cholecystectomy	113	4.4	3.1	2.3	8.0	5.3	3.9	8.8	6.8	4.5
Hysterectomy	49	2.0	0.9	*	6.1	1.9	*	8.2	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 556
Occupancy Rate 75
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 282
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 37
Registered Nurses 588
Licensed Practical Nurses 122

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

LANCASTER GENERAL HOSPITAL

Medicare Provider Number: 390100

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,354	7.5	7.9	0.4	11.5	12.0	0.6	14.2	15.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	150	26.0	28.0	4.1	30.0	30.8	4.4	31.3	33.8	5.1
Congestive Heart Failure	250	21.2	15.5	3.7	30.8	23.4	4.2	35.2	30.1	3.7
Pneumonia/Influenza	126	11.9	15.8	5.7	17.5	21.3	6.6	22.2	25.7	6.0
Chronic Obstructive Pulmonary Disease	80	11.2	11.0	4.2	16.2	18.2	6.1	22.5	23.9	6.5
Transient Cerebral Ischemia	101	1.0	1.8	1.6	3.0	3.6	2.3	4.0	5.5	3.3
Stroke	163	19.6	22.7	4.2	23.3	28.6	5.7	25.8	33.0	6.6
Hip Fracture	144	4.2	6.6	2.7	5.6	11.8	4.4	9.0	15.1	5.0
Sepsis	60	15.0	22.0	10.3	21.7	29.8	10.1	31.7	35.4	9.7
PROCEDURES:										
Angioplasty	138	7.2	6.2	3.2	8.7	7.3	3.6	9.4	8.6	3.3
Coronary Artery Bypass Graft	228	5.7	7.7	3.3	8.8	10.3	4.2	9.6	11.8	4.3
Initial Pacemaker Insertion	96	6.3	5.3	2.9	11.5	9.1	4.1	14.6	12.3	4.8
Carotid Endarterectomy	46	4.3	1.9	*	4.3	3.3	*	4.3	4.8	*
Hip Replacement/Reconstruction	122	0.0	2.5	2.0	2.5	4.7	2.5	4.9	6.2	3.2
Open Reduction of Hip Fracture	79	7.6	6.1	2.9	7.6	11.4	4.4	10.1	14.8	5.6
Prostatectomy	200	0.0	1.1	1.1	1.5	2.5	1.3	3.5	4.1	1.5
Cholecystectomy	112	3.6	3.3	1.9	6.2	5.7	2.8	8.9	7.4	3.2
Hysterectomy	32	0.0	0.7	*	0.0	1.4	*	3.1	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,035	7.4	8.2	0.5	11.7	12.6	0.7	15.2	16.1	0.6
CONDITIONS:										
Acute Myocardial Infarction	173	26.6	28.9	4.6	30.1	32.0	4.8	31.8	35.1	5.4
Congestive Heart Failure	257	19.1	16.1	3.5	30.7	24.4	4.6	38.1	31.4	5.2
Pneumonia/Influenza	123	12.2	15.2	5.0	20.3	20.8	4.2	26.0	25.4	4.2
Chronic Obstructive Pulmonary Disease	46	15.2	9.9	*	28.3	16.3	*	32.6	21.3	*
Transient Cerebral Ischemia	68	0.0	1.9	2.3	2.9	4.0	2.8	4.4	6.3	4.1
Stroke	159	22.6	24.2	3.7	30.2	30.7	4.3	36.5	35.4	3.9
Hip Fracture	165	6.1	7.1	2.7	10.3	13.1	4.4	13.9	17.1	5.8
Sepsis	55	23.6	25.6	6.7	34.5	34.5	7.5	36.4	40.7	7.8
PROCEDURES:										
Angioplasty	156	4.5	6.8	3.7	5.8	8.0	3.8	6.4	9.3	4.0
Coronary Artery Bypass Graft	179	3.4	7.3	2.6	5.0	9.7	3.1	6.7	11.1	3.1
Initial Pacemaker Insertion	89	4.5	3.3	2.5	7.9	6.7	3.1	11.2	9.7	4.3
Carotid Endarterectomy	35	2.9	1.9	*	2.9	3.4	*	5.7	4.9	*
Hip Replacement/Reconstruction	122	4.9	4.1	2.3	8.2	7.9	3.4	13.9	10.6	4.9
Open Reduction of Hip Fracture	77	3.9	6.5	3.5	9.1	12.5	5.5	11.7	16.6	7.4
Prostatectomy	179	1.1	1.0	1.1	2.8	2.6	1.8	5.0	4.3	2.0
Cholecystectomy	101	4.0	3.1	3.7	7.9	5.4	4.6	10.9	7.1	5.4
Hysterectomy	38	2.6	1.5	*	2.6	2.7	*	2.6	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**



LANCASTER
GENERAL

January 10, 1991 390100

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We are writing in response to the Health Care Financing Administration's release of the Medicare Mortality data specific to the Lancaster General Hospital.

We wish to highlight the following points:

* For utilization in our internal quality improvement programs, we find the 180 day time period to serve little purpose. We will utilize the 30 and 90 day time period for evaluating the quality and appropriateness of services provided to our Medicare beneficiaries. The information provided by the HCFA does allow us to more completely identify post-hospital deaths.

* We share AHA's concerns regarding the presentation of the data. By providing point estimates of the expected mortality rates, we believe the readers of the data will focus on those areas where observed rates exceeded the predicted, irregardless of the statistical significance of the data. We challenge that the public will identify **more** "outliers", rather than a lesser number thought by HCFA, when reviewing the data. Perhaps a method to highlight those areas differing from the predicted estimate **at a** statistically significant confidence level such as 95% would be appropriate. Even utilizing HCFA's suggested rule of thumb, adding and subtracting two standard deviations, and highlighting observed rates outside of this confidence range would provide more useful and interpretable data for the public and press.

We followed AHA's suggestion and reviewed our data at a 95% confidence level. **All** conditions and procedures for **all** areas of analysis were within the range of predicted mortality at a 95% confidence level. Considering we are a large tertiary care facility we are very pleased with our data.

390100

We reiterate, as in the past years, that the Medicare Mortality Data is not, in itself, a measure of quality. However, we encourage the Health Care Financing Administration to continue to refine methodologies to assess the quality and appropriateness of health care.

Sincerely,

Michael A. Young
President

LANKENAU HOSPITAL

Lancaster & City Line Ave
Philadelphia, PA 19151

Medicare Provider Number: 390195

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,297	7.3	8.9	0.6	12.2	13.9	0.7	15.5	17.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	96	17.7	28.0	6.9	26.0	31.6	5.7	27.1	35.2	6.5
Congestive Heart Failure	245	11.0	16.0	3.6	20.4	25.2	4.6	26.1	32.5	4.7
Pneumonia/Influenza	118	19.5	17.9	4.6	26.3	24.2	4.8	29.7	29.0	4.2
Chronic Obstructive Pulmonary Disease	61	4.9	8.7	4.4	4.9	14.8	5.7	6.6	20.1	7.1
Transient Cerebral Ischemia	122	0.8	1.5	1.3	2.5	3.4	1.7	2.5	5.6	3.2
Stroke	191	17.3	18.6	3.8	24.1	25.9	4.3	28.3	30.4	4.4
Hip Fracture	79	0.0	6.5	6.4	3.8	12.0	7.3	7.6	15.8	6.6
Sepsis	73	24.7	28.7	7.0	30.1	37.2	8.1	45.2	43.5	5.9
PROCEDURES:										
Angioplasty	104	1.9	2.8	1.8	3.8	3.8	2.0	5.8	4.9	2.7
Coronary Artery Bypass Graft	143	5.6	5.1	1.9	9.8	7.5	3.1	11.2	9.0	3.9
Initial Pacemaker Insertion	30	3.3	3.1	*	3.3	6.2	*	6.7	9.0	*
Carotid Endarterectomy	5	20.0	1.9	*	20.0	3.9	*	20.0	5.9	*
Hip Replacement/Reconstruction	48	0.0	4.0	*	6.3	7.8	*	8.3	10.6	*
Open Reduction of Hip Fracture	38	0.0	6.0	*	5.3	11.6	*	10.5	15.4	*
Prostatectomy	84	1.2	1.1	1.4	1.2	2.6	2.7	2.4	4.3	3.1
Cholecystectomy	60	5.0	3.2	4.2	8.3	5.5	5.4	8.3	7.1	5.9
Hysterectomy	52	1.9	0.9	1.6	1.9	1.8	1.9	1.9	2.5	2.3

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 395
Occupancy Rate 87
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 268
Percent of Physicians Board Certified Specialists 85
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LANKENAU HOSPITAL

Medicare Provider Number: 390195

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,395	7.4	9.0	0.6	12.8	14.0	0.7	16.5	17.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	125	24.0	28.5	6.0	28.0	32.2	5.4	33.6	36.0	5.0
Congestive Heart Failure	212	10.8	16.7	4.0	17.9	25.7	4.7	25.5	32.9	4.6
Pneumonia/Influenza	106	12.3	19.8	5.3	19.8	26.8	6.1	21.7	32.1	7.2
Chronic Obstructive Pulmonary Disease	88	13.6	9.0	4.7	20.5	15.4	6.5	25.0	20.9	7.0
Transient Cerebral Ischemia	111	0.9	1.6	1.6	1.8	3.7	2.9	2.7	6.0	4.4
Stroke	174	11.5	20.0	4.8	20.1	27.4	4.6	24.7	32.0	4.8
Hip Fracture	94	8.5	6.0	4.0	14.9	11.2	5.4	18.1	14.6	4.7
Sepsis	50	24.0	27.4	*	36.0	34.9	*	44.0	40.8	*
PROCEDURES:										
Angioplasty	93	3.2	3.5	2.3	5.4	4.5	2.3	6.5	5.6	2.5
Coronary Artery Bypass Graft	157	8.9	5.3	2.3	14.0	7.8	2.9	17.8	9.4	3.6
Initial Pacemaker Insertion	18	11.1	4.5	*	16.7	6.6	*	22.2	8.7	*
Carotid Endarterectomy	7	0.0	1.7	*	0.0	3.4	*	0.0	5.0	*
Hip Replacement/Reconstruction	58	1.7	4.0	3.2	5.2	7.9	4.9	6.9	10.6	6.0
Open Reduction of Hip Fracture	45	13.3	5.6	*	20.0	10.9	*	24.4	14.5	*
Prostatectomy	83	1.2	2.1	1.9	3.6	4.1	3.0	3.6	6.3	3.9
Cholecystectomy	51	0.0	3.5	4.3	2.0	6.7	5.7	3.9	8.9	6.2
Hysterectomy	50	0.0	0.7	*	2.0	1.5	*	6.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,210	7.3	9.3	0.5	12.0	14.3	0.6	15.6	18.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	114	21.9	28.8	6.5	23.7	32.9	6.8	31.6	36.6	6.5
Congestive Heart Failure	193	8.8	16.8	4.0	17.1	25.3	4.4	25.4	32.2	4.1
Pneumonia/Influenza	117	15.4	19.0	6.0	21.4	25.5	7.8	26.5	30.5	8.0
Chronic Obstructive Pulmonary Disease	78	11.5	11.0	4.9	20.5	18.1	4.9	28.2	23.5	7.7
Transient Cerebral Ischemia	121	0.8	1.7	1.4	2.5	3.8	2.1	5.8	6.1	2.5
Stroke	165	12.7	21.6	4.7	20.6	29.6	5.0	25.5	34.3	5.2
Hip Fracture	78	6.4	7.0	2.9	12.8	13.0	3.8	15.4	17.1	4.7
Sepsis	58	34.5	37.7	7.9	48.3	46.9	6.7	55.2	53.7	6.7
PROCEDURES:										
Angioplasty	66	1.5	2.8	2.8	1.5	3.7	3.2	1.5	4.8	3.8
Coronary Artery Bypass Graft	129	10.9	6.2	3.7	14.7	8.9	4.1	16.3	10.5	4.3
Initial Pacemaker Insertion	41	4.9	2.7	*	7.3	5.4	*	14.6	8.1	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	45	4.4	4.6	*	13.3	9.3	*	17.8	12.8	*
Open Reduction of Hip Fracture	48	4.2	5.9	*	8.3	11.5	*	8.3	15.3	*
Prostatectomy	118	0.8	1.1	1.0	0.8	2.7	1.9	3.4	4.4	2.7
Cholecystectomy	65	3.1	5.2	3.3	6.2	9.5	5.0	7.7	12.6	7.4
Hysterectomy	45	0.0	0.5	*	0.0	1.1	*	4.4	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LATROBE AREA HOSPITAL

West Second Ave
Latrobe, PA 15650

Medicare Provider Number: 390219

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,027	8.0	9.5	0.6	12.7	14.8	0.7	15.9	18.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	88	25.0	23.2	4.6	30.7	26.8	5.3	34.1	30.2	5.3
Congestive Heart Failure	168	14.9	14.9	2.8	26.2	23.2	4.7	31.0	30.2	3.7
Pneumonia/Influenza	103	9.7	15.5	5.4	12.6	21.0	6.3	15.5	25.3	7.1
Chronic Obstructive Pulmonary Disease	84	2.4	9.4	4.0	9.5	16.1	5.5	11.9	21.6	6.1
Transient Cerebral Ischemia	49	2.0	1.9	*	2.0	4.3	*	2.0	6.9	*
Stroke	108	17.6	18.9	4.8	21.3	25.8	7.9	25.9	30.1	7.5
Hip Fracture	52	9.6	6.9	5.9	15.4	12.1	6.3	15.4	15.6	6.7
Sepsis	52	15.4	21.9	6.9	21.2	29.4	7.5	23.1	34.8	9.0
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	3.0	*	0.0	5.5	*	0.0	8.0	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	29	0.0	3.7	*	6.9	6.9	*	6.9	9.3	*
Open Reduction of Hip Fracture	32	6.3	5.5	*	9.4	10.3	*	9.4	13.6	*
Prostatectomy	64	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	50	4.0	4.5	*	6.0	7.7	*	6.0	9.4	*
Hysterectomy	27	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 266
Occupancy Rate 80
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 125
Percent of Physicians Board Certified Specialists 87
Medical Residents/Interns 12
Registered Nurses 193
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LATROBE AREA HOSPITAL

Medicare Provider Number: 390219

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,041	7.4	9.5	0.6	12.1	14.8	0.7	15.6	18.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	89	38.2	26.0	7.8	40.4	29.6	7.9	43.8	33.2	7.4
Congestive Heart Failure	149	9.4	16.6	4.2	16.1	25.5	5.4	22.1	32.6	5.7
Pneumonia/Influenza	86	18.6	16.8	5.2	23.3	22.7	5.0	27.9	27.3	5.4
Chronic Obstructive Pulmonary Disease	81	4.9	9.2	5.1	8.6	15.8	6.6	13.6	21.2	7.4
Transient Cerebral Ischemia	58	0.0	2.1	2.6	1.7	4.6	3.6	5.2	7.2	4.7
Stroke	114	24.6	22.1	6.4	33.3	29.1	7.4	38.6	33.7	9.2
Hip Fracture	51	2.0	7.5	4.9	9.8	13.3	5.8	13.7	16.9	5.6
Sepsis	47	6.4	24.1	*	8.5	31.8	*	10.6	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	7.4	6.8	*	18.5	11.0	*	18.5	15.0	*
Carotid Endarterectomy	7	14.3	1.8	*	14.3	3.5	*	14.3	5.2	*
Hip Replacement/Reconstruction	29	0.0	2.8	*	3.4	5.1	*	10.3	6.8	*
Open Reduction of Hip Fracture	37	2.7	6.7	*	10.8	12.4	*	10.8	15.9	*
Prostatectomy	74	0.0	0.9	1.4	1.4	2.2	2.3	1.4	3.6	3.6
Cholecystectomy	58	0.0	2.5	3.1	3.4	4.5	4.1	5.2	5.9	4.3
Hysterectomy	25	0.0	0.9	*	0.0	1.9	*	4.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,874	7.8	9.8	0.6	11.9	15.0	0.7	15.0	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	84	25.0	26.6	5.5	28.6	30.0	5.8	31.0	33.4	6.9
Congestive Heart Failure	143	15.4	18.4	4.8	25.2	27.6	4.2	32.9	34.7	4.7
Pneumonia/Influenza	89	10.1	18.2	6.1	14.6	24.7	6.8	22.5	29.8	6.2
Chronic Obstructive Pulmonary Disease	56	5.4	9.5	5.0	8.9	16.4	7.2	10.7	22.0	9.1
Transient Cerebral Ischemia	63	0.0	2.0	2.4	0.0	4.5	4.2	3.2	7.2	5.3
Stroke	115	15.7	22.1	7.0	25.2	29.7	6.6	28.7	34.2	6.5
Hip Fracture	49	10.2	7.7	*	16.3	13.6	*	16.3	17.6	*
Sepsis	33	18.2	26.8	*	24.2	36.4	*	30.3	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	45	2.2	3.4	*	4.4	6.5	*	6.7	9.5	*
Carotid Endarterectomy	3	0.0	1.8	*	0.0	3.8	*	0.0	5.8	*
Hip Replacement/Reconstruction	25	8.0	5.8	*	12.0	10.7	*	12.0	14.1	*
Open Reduction of Hip Fracture	29	6.9	6.4	*	13.8	11.8	*	13.8	15.3	*
Prostatectomy	79	0.0	1.0	1.4	0.0	2.5	2.8	3.8	4.2	2.3
Cholecystectomy	50	4.0	4.6	*	8.0	7.5	*	8.0	9.4	*
Hysterectomy	18	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LAWNDALE COMMUNITY HOSPITAL

Devereaux Ave & Palmetto St
Philadelphia, PA 19111

Medicare Provider Number: 390021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	593	7.6	10.0	1.7	12.0	14.9	2.1	15.0	18.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	31.7	*	26.3	35.5	*	26.3	39.2	*
Congestive Heart Failure	36	11.1	15.3	*	19.4	23.9	*	25.0	31.1	*
Pneumonia/Influenza	30	13.3	15.9	*	16.7	21.2	*	23.3	25.5	*
Chronic Obstructive Pulmonary Disease	12	8.3	10.3	*	8.3	16.5	*	16.7	21.7	*
Transient Cerebral Ischemia	18	0.0	1.8	*	5.6	4.0	*	5.6	6.5	*
Stroke	36	16.7	22.4	*	22.2	29.4	*	25.0	34.0	*
Hip Fracture	8	0.0	5.7	*	0.0	10.3	*	12.5	13.4	*
Sepsis	7	57.1	38.8	*	57.1	46.8	*	57.1	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.7	*	0.0	7.8	*	0.0	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	6	0.0	5.6	*	0.0	10.4	*	16.7	13.6	*
Prostatectomy	19	0.0	1.1	*	0.0	2.8	*	0.0	4.9	*
Cholecystectomy	10	0.0	2.3	*	10.0	3.6	*	10.0	4.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 63
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 3
Registered Nurses 36
Licensed Practical Nurses 6

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

LAWNDALE COMMUNITY HOSPITAL

Medicare Provider Number: 390021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	552	7.4	8.5	2.1	11.4	12.8	2.2	15.2	16.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	23	43.5	25.8	*	43.5	29.1	*	52.2	32.6	*
Congestive Heart Failure	24	0.0	16.7	*	12.5	25.9	*	20.8	33.2	*
Pneumonia/Influenza	14	28.6	17.7	*	42.9	24.0	*	57.1	28.8	*
Chronic Obstructive Pulmonary Disease	18	11.1	8.8	*	11.1	14.9	*	11.1	20.1	*
Transient Cerebral Ischemia	12	0.0	2.0	*	8.3	4.6	*	8.3	7.3	*
Stroke	19	15.8	22.7	*	31.6	29.9	*	47.4	34.6	*
Hip Fracture	10	10.0	5.3	*	10.0	10.4	*	10.0	13.9	*
Sepsis	3	0.0	35.3	*	0.0	41.5	*	0.0	47.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	9.8	*	0.0	18.1	*	0.0	24.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	6	16.7	5.0	*	16.7	10.2	*	16.7	14.1	*
Prostatectomy	31	0.0	1.2	*	6.5	3.1	*	6.5	5.2	*
Cholecystectomy	11	0.0	3.1	*	0.0	5.3	*	0.0	7.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	530	8.1	9.2	2.3	13.8	14.1	2.4	16.4	18.0	2.3
CONDITIONS:										
Acute Myocardial Infarction	19	10.5	25.5	*	15.8	28.6	*	21.1	31.9	*
Congestive Heart Failure	39	12.8	17.5	*	25.6	26.0	*	33.3	33.1	*
Pneumonia/Influenza	20	10.0	15.0	*	10.0	20.4	*	10.0	24.7	*
Chronic Obstructive Pulmonary Disease	16	0.0	10.6	*	6.3	18.5	*	12.5	24.7	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	4.3	*	0.0	7.1	*
Stroke	24	12.5	17.7	*	29.2	25.1	*	33.3	29.6	*
Hip Fracture	8	12.5	7.1	*	25.0	14.0	*	25.0	19.0	*
Sepsis	5	40.0	23.6	*	60.0	33.4	*	60.0	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.7	*	0.0	9.5	*	0.0	13.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	26.8	*	0.0	32.9	*	100.0	38.0	*
Open Reduction of Hip Fracture	6	0.0	5.2	*	16.7	10.9	*	16.7	15.4	*
Prostatectomy	14	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	8	0.0	1.9	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy	1	0.0	2.9	*	100.0	7.0	*	100.0	11.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LEE HOSPITAL

320 Main St
Johnstown, PA 15901

Medicare Provider Number: 390011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,181	8.9	8.9	0.7	13.8	13.5	0.8	16.9	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	17.2	28.4	9.8	24.1	31.7	9.5	27.6	35.3	7.8
Congestive Heart Failure	162	14.8	14.8	3.8	27.2	23.1	5.1	31.5	30.0	5.6
Pneumonia/Influenza	93	17.2	18.9	4.7	28.0	25.9	4.8	33.3	31.0	7.1
Chronic Obstructive Pulmonary Disease	50	10.0	8.3	*	18.0	14.3	*	28.0	19.6	*
Transient Cerebral Ischemia	64	0.0	2.1	2.5	0.0	4.6	4.7	4.7	7.3	4.1
Stroke	93	14.0	20.2	7.0	25.8	27.1	6.2	30.1	31.6	5.0
Hip Fracture	45	4.4	6.6	*	15.6	12.0	*	17.8	15.9	*
Sepsis	28	35.7	27.0	*	35.7	34.8	*	39.3	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	6.3	*	18.8	10.7	*	18.8	13.9	*
Carotid Endarterectomy	17	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	30	3.3	3.7	*	6.7	6.8	*	6.7	9.0	*
Open Reduction of Hip Fracture	9	0.0	6.1	*	11.1	11.4	*	11.1	15.3	*
Prostatectomy	48	0.0	1.6	*	2.1	3.7	*	2.1	6.0	*
Cholecystectomy	38	0.0	2.1	*	2.6	3.7	*	2.6	4.7	*
Hysterectomy	6	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 242
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 178
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 0
Registered Nurses 310
Licensed Practical Nurses 85

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LEE HOSPITAL

Medicare Provider Number: 390011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,396	8.5	9.5	0.9	13.4	14.1	1.2	16.6	17.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	79	30.4	30.2	5.6	36.7	33.4	6.5	40.5	36.9	7.4
Congestive Heart Failure	162	17.3	16.7	4.6	29.6	25.7	5.4	34.6	33.0	4.6
Pneumonia/Influenza	97	13.4	19.2	7.6	20.6	25.8	7.2	26.8	30.9	5.8
Chronic Obstructive Pulmonary Disease	38	2.6	9.8	*	7.9	16.9	*	18.4	22.9	*
Transient Cerebral Ischemia	75	0.0	2.0	2.2	2.7	4.3	2.7	9.3	6.7	3.5
Stroke	106	17.9	20.4	5.0	23.6	26.9	6.2	23.6	31.5	8.0
Hip Fracture	34	8.8	6.6	*	11.8	12.4	*	17.6	16.4	*
Sepsis	34	17.6	28.3	*	29.4	36.5	*	35.3	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	7.4	*	16.7	11.5	*	16.7	15.0	*
Carotid Endarterectomy	21	0.0	1.5	*	4.8	2.8	*	4.8	4.1	*
Hip Replacement/Reconstruction	24	4.2	2.0	*	4.2	3.9	*	12.5	5.5	*
Open Reduction of Hip Fracture	10	20.0	6.7	*	30.0	13.3	*	40.0	18.0	*
Prostatectomy	66	1.5	2.1	1.9	6.1	4.7	2.8	7.6	7.6	3.8
Cholecystectomy	51	5.9	2.0	3.6	7.8	3.3	5.0	9.8	4.3	6.5
Hysterectomy	14	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,283	9.9	9.7	0.8	14.0	14.6	0.9	17.8	18.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	77	23.4	28.0	8.3	24.7	31.2	7.5	32.5	34.6	5.7
Congestive Heart Failure	149	13.4	15.9	4.3	22.8	24.0	3.6	30.9	30.9	5.1
Pneumonia/Influenza	89	24.7	17.6	7.9	30.3	24.3	8.7	34.8	29.5	8.8
Chronic Obstructive Pulmonary Disease	48	0.0	11.8	*	4.2	20.2	*	14.6	26.6	*
Transient Cerebral Ischemia	58	1.7	2.3	3.1	6.9	4.9	3.7	8.6	7.5	3.7
Stroke	93	32.3	26.2	5.6	39.8	34.2	7.3	48.4	39.5	8.7
Hip Fracture	51	9.8	7.8	4.1	9.8	14.0	6.0	13.7	18.3	7.3
Sepsis	49	24.5	25.9	*	28.6	34.1	*	28.6	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	0.0	3.7	*	3.7	7.1	*	7.4	10.3	*
Carotid Endarterectomy	26	0.0	1.7	*	3.8	3.1	*	3.8	4.5	*
Hip Replacement/Reconstruction	27	3.7	4.0	*	3.7	7.5	*	7.4	9.9	*
Open Reduction of Hip Fracture	11	0.0	7.6	*	0.0	13.8	*	9.1	17.6	*
Prostatectomy	66	1.5	1.2	2.2	7.6	3.0	3.7	9.1	5.2	4.7
Cholecystectomy	32	0.0	2.5	*	0.0	4.3	*	0.0	5.9	*
Hysterectomy	9	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LEHIGH VALLEY HOSPITAL CENTER

1200 S Cedar Crest Blvd
Allentown, PA 18105

Medicare Provider Number: 390261

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,975	6.7	8.1	0.4	11.0	12.4	0.6	13.8	15.8	0.5
CONDITIONS:										
Acute Myocardial Infarction	139	20.9	25.0	5.2	25.2	28.2	5.1	27.3	31.4	6.0
Congestive Heart Failure	150	22.0	17.0	4.0	34.7	26.0	5.6	39.3	33.1	4.9
Pneumonia/Influenza	81	16.0	17.9	6.1	22.2	24.1	8.9	24.7	28.9	8.6
Chronic Obstructive Pulmonary Disease	56	5.4	10.1	6.3	16.1	17.0	8.3	17.9	22.9	9.1
Transient Cerebral Ischemia	87	1.1	1.6	1.7	3.4	3.4	2.1	6.9	5.3	2.6
Stroke	173	13.9	19.6	4.6	20.8	26.0	4.5	27.2	30.3	3.9
Hip Fracture	89	5.6	6.9	3.4	6.7	12.1	4.8	9.0	15.5	6.0
Sepsis	31	12.9	23.3	*	12.9	29.2	*	12.9	34.1	*
PROCEDURES:										
Angioplasty	76	1.3	2.5	2.6	1.3	3.3	2.9	1.3	4.3	3.4
Coronary Artery Bypass Graft	302	6.3	6.8	2.1	8.9	10.0	3.2	10.3	11.9	3.7
Initial Pacemaker Insertion	41	2.4	5.1	*	9.8	9.1	*	9.8	12.7	*
Carotid Endarterectomy	53	3.8	1.7	3.3	5.7	3.3	3.8	5.7	4.8	4.2
Hip Replacement/Reconstruction	109	3.7	2.7	1.8	5.5	5.0	3.1	8.3	6.8	3.9
Open Reduction of Hip Fracture	46	4.3	5.9	*	4.3	10.8	*	4.3	14.0	*
Prostatectomy	237	0.0	1.5	1.4	2.5	3.3	1.8	4.2	5.3	2.2
Cholecystectomy	89	3.4	3.2	2.0	7.9	5.6	3.5	10.1	7.0	5.0
Hysterectomy	3	0.0	1.1	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 492
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 23
Registered Nurses 781
Licensed Practical Nurses 51

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

LEHIGH VALLEY HOSPITAL CENTER

Medicare Provider Number: 390261

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,957	6.4	8.5	0.4	10.7	13.0	0.7	13.4	16.4	0.6
CONDITIONS:										
Acute Myocardial Infarction	120	25.0	27.4	4.5	30.0	30.6	4.5	32.5	34.1	4.5
Congestive Heart Failure	160	10.6	17.4	4.3	18.1	26.0	5.5	24.4	32.9	5.0
Pneumonia/Influenza	73	11.0	17.5	6.3	17.8	23.5	7.8	19.2	28.2	8.3
Chronic Obstructive Pulmonary Disease	50	8.0	9.5	*	12.0	16.2	*	18.0	21.7	*
Transient Cerebral Ischemia	81	0.0	2.2	*	0.0	4.7	*	3.7	7.1	*
Stroke	164	13.4	20.4	4.8	18.3	26.5	5.6	25.0	30.8	5.2
Hip Fracture	89	3.4	7.6	3.9	7.9	13.1	5.6	10.1	16.5	6.1
Sepsis	35	11.4	23.5	*	25.7	29.8	*	28.6	35.1	*
PROCEDURE:										
Angioplasty	74	4.1	2.8	2.1	5.4	3.9	2.7	8.1	5.1	3.5
Coronary Artery Bypass Graft	265	5.3	6.9	1.9	9.1	9.5	2.5	9.1	11.1	2.9
Initial Pacemaker Insertion	46	2.2	5.7	*	2.2	9.5	*	2.2	12.7	*
Carotid Endarterectomy	59	0.0	1.7	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	108	0.9	2.5	1.8	0.9	4.9	2.7	0.9	6.5	3.4
Open Reduction of Hip Fracture	56	3.6	6.7	4.5	10.7	12.1	5.6	14.3	15.4	5.2
Prostatectomy	218	0.9	1.3	0.9	2.3	3.1	1.4	5.0	5.2	1.6
Cholecystectomy	99	1.0	3.0	2.2	2.0	5.3	3.1	2.0	6.9	3.8
Hysterectomy	2	0.0	1.8	*	0.0	4.2	*	0.0	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,685	6.8	8.6	0.5	10.1	13.1	0.6	12.8	16.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	144	30.6	27.2	6.5	33.3	30.7	6.1	36.1	34.2	5.4
Congestive Heart Failure	136	14.7	17.2	4.3	24.3	25.6	4.9	29.4	32.5	6.1
Pneumonia/Influenza	69	13.0	18.3	6.7	20.3	24.5	7.6	24.6	29.5	7.9
Chronic Obstructive Pulmonary Disease	51	7.8	14.7	7.6	7.8	22.2	9.5	15.7	27.8	9.7
Transient Cerebral Ischemia	68	0.0	1.9	*	0.0	3.9	*	0.0	5.9	*
Stroke	135	13.3	21.4	5.4	20.7	27.7	6.1	22.2	31.8	6.8
Hip Fracture	95	5.3	7.6	4.4	8.4	13.4	5.0	13.7	17.2	4.5
Sepsis	24	16.7	34.7	*	25.0	44.0	*	41.7	50.5	*
PROCEDURES:										
Angioplasty	67	1.5	4.3	4.0	3.0	5.7	4.2	3.0	7.1	4.8
Coronary Artery Bypass Graft	219	6.8	7.8	2.7	7.3	10.5	3.3	8.7	12.0	3.8
Initial Pacemaker Insertion	40	0.0	2.5	*	0.0	5.1	*	2.5	7.4	*
Carotid Endarterectomy	70	0.0	1.9	2.4	1.4	3.5	2.9	1.4	5.2	4.1
Hip Replacement/Reconstruction	97	0.0	3.0	2.2	1.0	5.6	3.1	4.1	7.4	3.5
Open Reduction of Hip Fracture	59	5.1	6.3	5.7	8.5	11.8	7.4	11.9	15.5	7.2
Prostatectomy	222	0.0	1.0	0.9	0.9	2.3	1.5	1.8	3.8	2.1
Cholecystectomy	79	2.5	3.5	2.4	5.1	6.2	3.7	5.1	8.2	4.7
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LEWISTON HOSPITAL

400 Highland Avenue
Lewistown, PA 17044

Medicare Provider Number: 390048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,070	7.9	8.7	0.8	13.6	13.4	0.9	17.2	17.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	77	24.7	30.4	6.2	33.8	33.6	5.4	33.8	37.3	6.7
Congestive Heart Failure	107	10.3	15.1	6.0	18.7	23.7	7.7	26.2	30.7	6.4
Pneumonia/Influenza	118	16.1	16.8	4.1	20.3	22.9	5.2	22.9	27.8	7.4
Chronic Obstructive Pulmonary Disease	92	3.3	5.5	3.8	19.6	11.4	5.6	25.0	16.8	5.6
Transient Cerebral Ischemia	39	2.6	1.6	*	5.1	3.3	*	5.1	5.2	*
Stroke	70	18.6	19.9	5.4	27.1	25.9	5.5	31.4	30.3	6.0
Hip Fracture	38	7.9	6.1	*	13.2	11.1	*	21.1	14.7	*
Sepsis	24	16.7	27.0	*	20.8	34.0	*	29.2	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.9	*	0.0	7.7	*	11.1	11.3	*
Carotid Endarterectomy	10	0.0	2.2	*	0.0	4.3	*	10.0	6.4	*
Hip Replacement/Reconstruction	18	0.0	5.3	*	5.6	10.1	*	11.1	13.3	*
Open Reduction of Hip Fracture	17	0.0	5.1	*	0.0	9.7	*	17.6	13.1	*
Prostatectomy	53	1.9	1.3	1.7	5.7	3.0	2.9	7.5	4.9	4.2
Cholecystectomy	51	3.9	2.2	3.1	5.9	3.8	3.2	5.9	4.9	3.5
Hysterectomy	8	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 213
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 80
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 3
Registered Nurses 143
Licensed Practical Nurses 76

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LEWISTON HOSPITAL

Medicare Provider Number: 390048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,277	8.3	9.0	0.8	13.3	13.5	0.8	16.6	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	78	29.5	32.0	5.5	35.9	35.6	5.5	41.0	39.5	5.7
Congestive Heart Failure	135	14.1	16.7	5.7	24.4	26.0	4.9	32.6	33.5	5.1
Pneumonia/Influenza	113	15.0	17.2	5.4	21.2	23.5	4.9	24.8	28.4	5.9
Chronic Obstructive Pulmonary Disease	83	8.4	8.4	3.4	14.5	15.1	5.4	15.7	20.9	7.3
Transient Cerebral Ischemia	44	6.8	2.1	*	9.1	4.5	*	9.1	7.2	*
Stroke	79	20.3	21.8	4.8	30.4	27.7	6.0	36.7	32.2	5.8
Hip Fracture	48	8.3	8.0	*	12.5	14.5	*	12.5	18.7	*
Sepsis	30	20.0	24.4	*	33.3	30.3	*	33.3	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.8	*	0.0	11.9	*	0.0	16.1	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	26	3.8	5.1	*	3.8	9.6	*	3.8	12.4	*
Open Reduction of Hip Fracture	20	5.0	6.6	*	15.0	12.6	*	15.0	16.7	*
Prostatectomy	54	0.0	0.6	1.7	1.9	1.4	2.4	3.7	2.3	3.1
Cholecystectomy	61	1.6	2.6	2.2	3.3	4.8	3.0	6.6	6.3	3.4
Hysterectomy	25	0.0	0.6	*	0.0	1.2	*	4.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,119	8.8	8.7	0.7	12.7	13.2	0.9	15.6	16.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	82	20.7	30.8	7.9	23.2	34.5	8.4	26.8	38.1	8.8
Congestive Heart Failure	130	13.8	16.2	4.9	23.8	24.9	4.3	31.5	32.1	4.6
Pneumonia/Influenza	75	9.3	15.7	6.4	17.3	21.4	6.9	18.7	26.2	8.2
Chronic Obstructive Pulmonary Disease	87	13.8	11.6	3.9	19.5	19.7	4.3	25.3	25.8	4.8
Transient Cerebral Ischemia	43	0.0	2.3	*	7.0	5.1	*	9.3	8.1	*
Stroke	66	31.8	23.4	6.7	36.4	29.9	6.9	43.9	34.6	7.6
Hip Fracture	49	4.1	5.6	*	8.2	10.4	*	12.2	13.8	*
Sepsis	21	23.8	32.1	*	28.6	39.4	*	38.1	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.4	*	8.3	6.6	*	8.3	9.6	*
Carotid Endarterectomy	18	5.6	1.4	*	5.6	2.5	*	11.1	3.7	*
Hip Replacement/Reconstruction	17	0.0	3.4	*	0.0	6.7	*	5.9	9.3	*
Open Reduction of Hip Fracture	29	6.9	4.8	*	10.3	9.4	*	13.8	12.7	*
Prostatectomy	33	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	64	3.1	2.1	2.9	6.3	3.7	4.1	6.3	4.7	4.5
Hysterectomy	12	8.3	0.9	*	8.3	2.0	*	8.3	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LOCK HAVEN HOSPITAL

24 Cree Drive
Lock Haven, PA 17745

Medicare Provider Number: 390071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	752	9.2	9.7	1.3	14.9	14.1	1.5	17.4	17.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	35	20.0	26.7	*	22.9	29.9	*	25.7	33.4	*
Congestive Heart Failure	33	18.2	15.7	*	24.2	23.9	*	30.3	30.7	*
Pneumonia/Influenza	46	17.4	17.2	*	26.1	23.4	*	30.4	28.2	*
Chronic Obstructive Pulmonary Disease	19	0.0	7.9	*	5.3	13.9	*	10.5	19.3	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	57	17.5	20.6	6.7	22.8	26.4	8.1	26.3	30.6	8.6
Hip Fracture	19	5.3	6.7	*	26.3	12.0	*	26.3	15.6	*
Sepsis	3	33.3	20.5	*	33.3	27.2	*	33.3	32.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.0	*	100.0	8.1	*	100.0	12.0	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.1	*	0.0	4.8	*
Hip Replacement/Reconstruction	9	0.0	5.4	*	22.2	9.9	*	22.2	13.1	*
Open Reduction of Hip Fracture	9	11.1	6.7	*	33.3	12.5	*	33.3	16.4	*
Prostatectomy	15	6.7	1.8	*	6.7	4.3	*	6.7	7.3	*
Cholecystectomy	17	5.9	2.8	*	11.8	5.3	*	11.8	7.0	*
Hysterectomy	3	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 262
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 43
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LOCK HAVEN HOSPITAL

Medicare Provider Number: 390071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	805	5.8	9.7	1.5	10.7	14.0	1.6	13.8	17.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	47	19.1	30.7	*	27.7	34.5	*	29.8	38.2	*
Congestive Heart Failure	50	10.0	15.8	*	16.0	24.4	*	22.0	31.4	*
Pneumonia/Influenza	39	15.4	19.7	*	23.1	26.7	*	23.1	31.9	*
Chronic Obstructive Pulmonary Disease	16	12.5	11.4	*	25.0	18.3	*	31.3	23.6	*
Transient Cerebral Ischemia	21	0.0	1.9	*	4.8	4.2	*	4.8	6.5	*
Stroke	52	5.8	23.4	8.7	17.3	28.6	9.0	19.2	33.1	8.6
Hip Fracture	22	0.0	6.4	*	0.0	11.5	*	0.0	14.7	*
Sepsis	2	0.0	10.1	*	0.0	14.0	*	0.0	18.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	7.7	*	33.3	13.7	*	33.3	18.3	*
Carotid Endarterectomy	6	0.0	1.8	*	16.7	3.4	*	16.7	4.9	*
Hip Replacement/Reconstruction	10	0.0	6.4	*	0.0	12.1	*	0.0	15.4	*
Open Reduction of Hip Fracture	14	0.0	5.0	*	0.0	9.4	*	0.0	12.5	*
Prostatectomy	25	0.0	1.5	*	0.0	3.5	*	4.0	5.4	*
Cholecystectomy	11	0.0	4.2	*	0.0	5.8	*	0.0	6.7	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	821	7.9	10.1	1.8	12.9	14.5	2.2	16.0	18.1	2.2
CONDITIONS:										
Acute Myocardial Infarction	40	25.0	29.5	*	30.0	32.5	*	35.0	35.9	*
Congestive Heart Failure	50	12.0	15.3	*	28.0	23.4	*	38.0	30.3	*
Pneumonia/Influenza	50	10.0	16.1	*	14.0	21.7	*	14.0	26.5	*
Chronic Obstructive Pulmonary Disease	22	9.1	7.7	*	27.3	13.2	*	36.4	18.0	*
Transient Cerebral Ischemia	31	6.5	2.3	*	9.7	5.0	*	12.9	8.0	*
Stroke	53	11.3	23.1	8.9	18.9	28.8	9.3	20.8	33.3	10.5
Hip Fracture	16	12.5	7.2	*	12.5	12.4	*	12.5	15.7	*
Sepsis	5	20.0	31.3	*	20.0	40.4	*	20.0	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.4	*	0.0	6.0	*	0.0	8.1	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	2.8	*	0.0	3.9	*
Hip Replacement/Reconstruction	3	33.3	8.5	*	33.3	13.9	*	33.3	17.0	*
Open Reduction of Hip Fracture	11	0.0	5.4	*	0.0	10.1	*	0.0	13.3	*
Prostatectomy	14	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	11	18.2	3.8	*	18.2	7.3	*	18.2	9.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

223.1

PROVIDER #390071

LOCK HAVEN HOSPITAL
TWENTY FOUR CREE DRIVE • LOCK HAVEN • PENNSYLVANIA • 17745
717-893-5000

January 2, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have received and had an opportunity to review the Medicare Hospital Mortality Information for 1989. There are several comments we wish to make regarding the data.

After several phone conversations with representatives from HCFA, we were able to identify the cases which were included in our data and the Conditions/Procedures Categories to which these patients were assigned. The logic of these assignments is still very unclear. Selecting a random hospitalization and assigning the patient to a category based on the principal diagnosis or procedure for this random hospitalization as a means of evaluating mortality data seems totally bizarre. The fallacy in this methodology is illustrated more clearly by an example from our data. The patient is an 88-year-old who underwent a cholecystectomy early in 1989. The patient had an uneventful recovery from the surgery and was discharged to home with no complications. Approximately 6 months later the patient was admitted and expired from congestive heart failure. The hospitalization for the cholecystectomy is selected at random by HCFA and this patient is placed in procedure category (P8) for Cholecystectomy. Because the patient expired, the case is included in the "observed" mortalities for cholecystectomy and factored into our mortality rate for cholecystectomy. The patient, however, died of congestive heart failure!

After validating our data, it was found that eleven (11) mortality cases were either in the wrong conditions/procedures category or should not have been represented in any of the seventeen (17) categories selected for special study by HCFA. Considering that we had 54 mortalities in the seventeen categories selected, this has a significant impact on the accuracy and validity of the data.

PROVIDER #390071

The data as presented is very misleading and, in actuality does not give true mortality rates for any of the categories or procedures selected by HCFA. In order to be valid, mortality data must be based on the cause of death.

It concerns me that this invalid data will be provided to the PRO to help them identify patterns of mortality that may or may not be attributable to the hospital's management.

It is very important to healthcare providers that this data be accurate. Considering HCFA's tenet that "Any acute care hospitalization for a Medicare beneficiary measurably increases their risk of mortality", hospital's can't be expected to defend the quality of the care they provide if the data is inaccurate and invalid.

The opportunity to review and comment on this data is appreciated.

Sincerely yours,

Al Speth, President
Lock Haven Hospital

AS/mkf

LOWER BUCKS HOSPITAL

Bath Rd & Orchard Ave
Bristol, PA 19007

Medicare Provider Number: 390070

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,779	9.4	8.6	0.7	15.3	13.2	1.0	20.0	16.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	57	29.8	24.9	6.8	33.3	28.5	6.8	36.8	32.0	7.1
Congestive Heart Failure	114	11.4	14.7	3.9	19.3	23.0	4.5	34.2	29.8	4.7
Pneumonia/Influenza	71	14.1	15.6	5.4	21.1	21.1	5.2	25.4	25.6	5.3
Chronic Obstructive Pulmonary Disease	35	17.1	6.8	*	20.0	12.9	*	20.0	18.4	*
Transient Cerebral Ischemia	53	1.9	1.8	1.9	5.7	3.9	3.1	9.4	6.1	5.1
Stroke	61	24.6	17.1	8.2	29.5	23.7	11.5	36.1	27.8	13.4
Hip Fracture	36	8.3	6.7	*	22.2	12.1	*	25.0	15.8	*
Sepsis	27	22.2	27.3	*	48.1	35.9	*	55.6	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.0	*	0.0	4.4	*	0.0	6.7	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	24	0.0	2.1	*	4.2	4.1	*	4.2	5.7	*
Open Reduction of Hip Fracture	15	0.0	6.7	*	13.3	12.3	*	13.3	15.9	*
Prostatectomy	56	0.0	0.9	1.5	3.6	2.2	2.7	3.6	3.6	2.8
Cholecystectomy	19	5.3	3.9	*	5.3	7.1	*	10.5	9.2	*
Hysterectomy	11	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 269
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 232
Percent of Physicians Board Certified Specialists 62
Medical Residents/Interns 0
Registered Nurses 231
Licensed Practical Nurses 76

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LOWER BUCKS HOSPITAL

Medicare Provider Number: 390070

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,838	9.0	9.1	0.8	15.7	13.7	1.3	19.0	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	55	23.6	26.8	7.9	32.7	30.5	6.9	34.5	34.2	6.5
Congestive Heart Failure	118	14.4	15.2	3.4	28.0	23.3	5.5	34.7	30.0	7.7
Pneumonia/Influenza	64	14.1	17.7	6.4	23.4	24.1	5.9	25.0	29.1	6.9
Chronic Obstructive Pulmonary Disease	48	6.3	8.6	*	20.8	14.9	*	27.1	20.4	*
Transient Cerebral Ischemia	47	0.0	2.0	*	6.4	4.4	*	8.5	7.0	*
Stroke	75	26.7	21.4	6.9	38.7	28.8	8.8	38.7	33.6	7.1
Hip Fracture	32	6.3	6.0	*	12.5	10.8	*	25.0	13.9	*
Sepsis	25	28.0	31.0	*	36.0	37.4	*	44.0	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.5	*	16.7	6.5	*	16.7	9.2	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.5	*	14.3	3.6	*
Hip Replacement/Reconstruction	27	0.0	1.9	*	3.7	3.8	*	3.7	5.1	*
Open Reduction of Hip Fracture	13	0.0	4.7	*	7.7	8.9	*	23.1	11.7	*
Prostatectomy	66	1.5	1.0	1.8	1.5	2.5	2.5	3.0	4.1	3.4
Cholecystectomy	22	0.0	3.0	*	4.5	4.9	*	9.1	6.0	*
Hysterectomy	10	0.0	0.7	*	0.0	1.3	*	10.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,713	10.1	9.2	0.9	15.9	13.6	1.3	19.6	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	64	35.9	28.9	6.7	40.6	32.2	7.2	46.9	35.6	8.0
Congestive Heart Failure	123	18.7	16.5	6.0	30.1	24.7	7.7	35.0	31.5	6.9
Pneumonia/Influenza	42	14.3	15.3	*	16.7	20.4	*	26.2	24.9	*
Chronic Obstructive Pulmonary Disease	43	11.6	10.4	*	30.2	17.8	*	34.9	23.5	*
Transient Cerebral Ischemia	44	0.0	2.1	*	6.8	4.5	*	11.4	7.1	*
Stroke	76	23.7	20.8	5.4	30.3	27.6	6.2	36.8	31.9	7.7
Hip Fracture	34	2.9	5.7	*	5.9	10.2	*	8.8	13.2	*
Sepsis	21	28.6	30.4	*	42.9	37.2	*	52.4	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	2.9	*	0.0	5.6	*	0.0	8.2	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	20	0.0	2.5	*	5.0	5.6	*	5.0	8.5	*
Open Reduction of Hip Fracture	21	4.8	5.2	*	9.5	9.6	*	14.3	12.5	*
Prostatectomy	66	1.5	1.1	1.6	3.0	2.7	3.1	3.0	4.5	4.4
Cholecystectomy	25	4.0	3.8	*	4.0	6.1	*	4.0	7.5	*
Hysterectomy	12	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MAGEE-WOMENS HOSPITAL

Forbes Ave Halket St
Pittsburgh, PA 15213

Medicare Provider Number: 390114

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	477	4.6	4.5	1.1	8.0	9.2	1.9	11.1	13.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	23.0	*	33.3	25.1	*	33.3	27.5	*
Congestive Heart Failure	2	0.0	6.7	*	50.0	11.3	*	50.0	15.4	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*
Stroke	1	0.0	14.2	*	0.0	18.9	*	0.0	22.6	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	0.5	*	0.0	0.7	*	0.0	1.0	*
Hysterectomy	100	0.0	0.8	1.1	0.0	1.8	1.9	2.0	2.7	1.7

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	305
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	333
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	367
Licensed Practical Nurses	104

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MAGEE-WOMENS HOSPITAL

Medicare Provider Number: 390114

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	492	3.0	3.8	1.0	6.3	8.2	1.4	9.1	12.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	5	0.0	8.7	*	0.0	13.6	*	0.0	18.4	*
Pneumonia/Influenza	1	0.0	8.0	*	0.0	11.1	*	0.0	13.7	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.7	*	0.0	8.0	*	0.0	11.1	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	16.9	*	0.0	21.8	*	0.0	26.1	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	11	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*
Cholecystectomy	4	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*
Hysterectomy	108	0.0	0.7	1.0	0.9	1.6	1.7	1.9	2.6	2.2

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	438	2.7	4.3	1.6	6.6	8.5	2.3	9.1	12.4	3.1
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	22.5	*	25.0	24.9	*	25.0	27.5	*
Congestive Heart Failure	2	0.0	12.1	*	50.0	18.2	*	50.0	23.7	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	2	0.0	1.0	*	0.0	2.0	*	0.0	3.2	*
Stroke	3	0.0	19.9	*	33.3	29.9	*	33.3	36.2	*
Hip Fracture	0									
Sepsis	1	0.0	4.9	*	0.0	8.1	*	0.0	10.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	10	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	3	0.0	1.9	*	0.0	3.7	*	0.0	4.6	*
Hysterectomy	90	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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AGEE-WOMENS HOSPITAL

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
6325 Security Boulevard
2-D-Z Meadows East Building
Baltimore, MD 21207

ID #390114

Dear Mrs. Sandra Kappert:

The Mortality information regarding Medicare patients treated at Magee-Womens Hospital during 1989 has been reviewed by our Medical Staff. The following comments address the accuracy and interpretation of the data:

1. The Data used by HCFA includes a total of fifty-seven deaths of Medicare patients admitted to Magee-Womens Hospital

   a. 24 (42%) of the 57 cases occurred in-house
   b. 33 (58%) of the 57 cases occurred after discharge

2. All deaths reported by HCFA were verified and reviewed using the Hospital's Quality Assurance Criteria. Based on this review, by physician, all cases received a positive standard of care.

Thank you for the opportunity to review this data prior to public release. If you have comments/questions regarding this letter, please do not hesitate to contact me.

Sincerely,

Daniel J. Lebish

Daniel J. Lebish
Vice President, Finance
(412) 647-4460

DJL/sms

An equal opportunity employer, Magee-Womens Hospital is dedicated to the care of women and infants and is a corporate member of The University Health Center of Pittsburgh.

MCKEESPORT HOSPITAL

1500 Fifth Avenue
McKeesport, PA 15132

Medicare Provider Number: 390002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,509	9.6	9.7	0.5	15.5	14.9	0.7	19.3	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	109	26.6	29.3	6.1	31.2	32.5	5.8	34.9	36.4	5.1
Congestive Heart Failure	197	18.8	14.5	3.1	31.5	22.5	4.7	38.1	29.2	4.8
Pneumonia/Influenza	139	16.5	16.9	3.4	21.6	23.1	4.5	25.9	27.8	4.4
Chronic Obstructive Pulmonary Disease	67	9.0	9.4	4.9	17.9	16.0	4.8	25.4	21.5	6.4
Transient Cerebral Ischemia	89	0.0	1.9	2.1	2.2	4.2	2.8	4.5	6.9	4.3
Stroke	138	16.7	18.6	3.5	25.4	25.4	3.7	32.6	29.7	4.9
Hip Fracture	69	8.7	7.8	3.3	14.5	13.8	5.6	17.4	17.7	7.0
Sepsis	43	32.6	27.5	*	37.2	35.5	*	44.2	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	2.9	*	14.3	6.2	*	14.3	9.3	*
Carotid Endarterectomy	7	0.0	1.3	*	14.3	2.4	*	14.3	3.6	*
Hip Replacement/Reconstruction	42	7.1	6.7	*	11.9	12.2	*	14.3	16.1	*
Open Reduction of Hip Fracture	33	3.0	6.3	*	9.1	11.3	*	12.1	14.6	*
Prostatectomy	83	3.6	1.4	1.7	6.0	3.4	2.8	10.8	5.7	3.9
Cholecystectomy	82	2.4	2.2	1.8	4.9	3.8	2.4	6.1	5.0	2.8
Hysterectomy	38	0.0	1.7	*	2.6	3.0	*	5.3	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	356
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	149
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	46
Registered Nurses	272
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MCKEESPORT HOSPITAL

Medicare Provider Number: 390002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

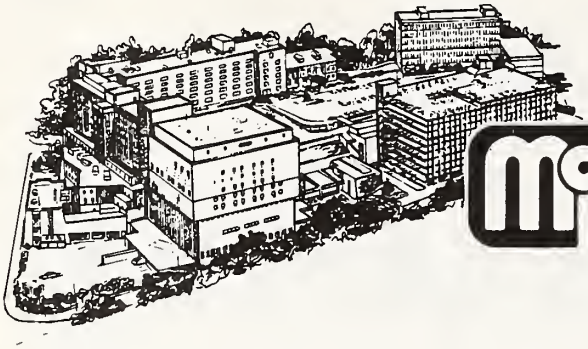
CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,764	10.8	10.4	0.5	17.4	15.6	0.8	21.7	19.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	141	23.4	27.9	5.0	27.7	30.8	4.4	33.3	34.4	4.0
Congestive Heart Failure	203	16.7	16.5	2.9	27.6	25.1	3.3	38.4	32.1	4.6
Pneumonia/Influenza	110	20.0	18.3	4.5	27.3	24.5	5.4	32.7	29.2	5.9
Chronic Obstructive Pulmonary Disease	78	9.0	8.8	3.5	19.2	15.0	5.8	26.9	20.3	7.7
Transient Cerebral Ischemia	125	0.8	2.0	1.5	1.6	4.5	2.9	3.2	7.1	4.2
Stroke	133	28.6	22.0	4.7	38.3	29.1	6.2	40.6	33.6	5.8
Hip Fracture	74	10.8	8.1	5.3	17.6	14.2	6.8	21.6	17.9	6.1
Sepsis	56	33.9	29.5	10.0	48.2	39.0	13.3	55.4	45.5	14.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.2	*	5.3	6.9	*	10.5	9.5	*
Carotid Endarterectomy	14	0.0	1.1	*	0.0	2.0	*	14.3	2.9	*
Hip Replacement/Reconstruction	42	0.0	5.7	*	11.9	10.7	*	19.0	14.3	*
Open Reduction of Hip Fracture	44	13.6	7.4	*	20.5	13.5	*	25.0	17.3	*
Prostatectomy	86	2.3	1.6	1.7	5.8	3.4	2.8	7.0	5.3	3.2
Cholecystectomy	87	2.3	3.3	2.3	4.6	5.5	3.1	4.6	7.0	3.5
Hysterectomy	32	0.0	0.7	*	0.0	1.3	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,754	9.9	10.8	0.6	16.3	16.3	0.7	20.7	20.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	155	21.3	29.3	5.4	27.1	32.5	5.4	31.6	35.9	4.3
Congestive Heart Failure	227	13.7	16.9	3.7	21.6	25.2	4.0	26.9	32.1	5.2
Pneumonia/Influenza	111	10.8	16.3	6.2	21.6	22.8	5.2	26.1	27.7	4.6
Chronic Obstructive Pulmonary Disease	91	9.9	13.5	4.9	18.7	21.6	6.7	22.0	27.5	9.0
Transient Cerebral Ischemia	120	3.3	2.3	1.6	5.8	5.1	2.9	10.0	8.0	3.6
Stroke	154	22.1	21.6	3.4	33.1	28.8	5.1	36.4	33.3	4.8
Hip Fracture	65	6.2	6.6	3.3	12.3	11.6	4.0	15.4	14.9	6.9
Sepsis	59	35.6	32.6	6.8	45.8	42.2	7.6	50.8	49.1	6.7
PROCEDURES:										
Angioplasty	1	0.0	2.4	*	0.0	4.0	*	0.0	4.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	2.7	*	4.0	5.7	*	4.0	8.7	*
Carotid Endarterectomy	12	0.0	1.7	*	8.3	3.1	*	8.3	4.5	*
Hip Replacement/Reconstruction	45	2.2	4.2	*	11.1	8.0	*	13.3	10.7	*
Open Reduction of Hip Fracture	34	8.8	5.1	*	11.8	9.6	*	14.7	12.7	*
Prostatectomy	89	0.0	1.1	2.1	3.4	2.6	2.3	5.6	4.4	3.7
Cholecystectomy	81	3.7	3.0	2.8	8.6	5.4	3.8	8.6	7.1	3.4
Hysterectomy	18	5.6	1.6	*	5.6	3.5	*	5.6	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**



McKEESPORT HOSPITAL
1500 Fifth Avenue • McKeesport, Pennsylvania 15132-2483
(412) 664-2000

December 24, 1990

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Again, McKeesport Hospital thanks you for the opportunity to make public our comments with regard to the 1989 Mortality Statistics prior to the scheduled January 1991 public release.

We feel it is important to note that although the mortality statistics for McKeesport Hospital are well within the predicted range for all of the diagnostic categories listed, still, it is our belief that the public is neither getting the information in a timely, accurate fashion, nor are they using it in its appropriate context. Subsequently, we maintain our belief that the data presented in this report is of questionable use to the public and may ultimately do more harm than good.

We commend your continued efforts to modify and clarify the information, but feel that by extending the discharge parameters out to 180 days you are making matters far worse. Linking the death of an individual to any hospital six months from their date of discharge raises several questions with regard to the data's validity. Given that the data does not account for age and provides no measure for the severity of illness (not to mention the documentation of other interventions from other hospitals or health care providers during the 180 day period) we find it reckless to attempt to link any death to a particular facility so far out from the date of discharge.

Mrs. Sandra Kappert
Page 2.

We also feel that filtering the raw data through the news media does not provide the medicare recipient with an even-handed dissemination of the facts. Boiling down several years of study into 90-second segments of television reporting is a disservice to you as well as to every hospital represented in your report.

McKeesport Hospital believes in the rights of patients to make informed decisions about their personal health care; however we firmly stand behind the concern that the publication of raw data such as this is not conducive to sound decision-making based upon accurately defined facts.

As two representatives of the hospital charged with the responsibility of ensuring the delivery of quality care to our community, we feel obligated to continue to forewarn the news media and public that this data is inappropriate to employ as a decision-making tool and will, in fact, continue to undermine the relationship and trust between the medical community and the public.

Sincerely,

Ronald H. Ott
Acting Executive Director

Leslie J. Silberman, M.D.
President, Medical-Dental Staff

MEADVILLE MEDICAL CENTER

751 Liberty St
Meadville, PA 16335

Medicare Provider Number: 390113

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,006	10.0	8.8	1.0	15.4	13.8	1.3	19.2	17.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	64	37.5	30.1	8.0	39.1	33.2	7.4	40.6	36.4	6.9
Congestive Heart Failure	104	11.5	15.1	5.0	23.1	23.3	5.5	31.7	30.0	5.1
Pneumonia/Influenza	74	16.2	15.7	4.3	23.0	21.4	6.0	29.7	25.9	8.3
Chronic Obstructive Pulmonary Disease	34	8.8	5.6	*	14.7	10.2	*	17.6	14.5	*
Transient Cerebral Ischemia	30	0.0	2.1	*	3.3	4.7	*	3.3	7.4	*
Stroke	77	31.2	21.8	9.9	33.8	28.7	8.3	39.0	33.1	8.4
Hip Fracture	49	0.0	6.0	*	4.1	10.8	*	8.2	14.1	*
Sepsis	18	16.7	17.9	*	22.2	25.3	*	33.3	30.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	5.4	*	5.0	9.0	*	10.0	12.4	*
Carotid Endarterectomy	13	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	22	0.0	4.0	*	4.5	7.8	*	13.6	10.7	*
Open Reduction of Hip Fracture	28	0.0	5.5	*	3.6	10.4	*	3.6	13.8	*
Prostatectomy	66	1.5	0.9	1.4	1.5	2.2	2.4	3.0	3.8	2.6
Cholecystectomy	37	2.7	2.7	*	2.7	4.8	*	2.7	6.0	*
Hysterectomy	14	7.1	0.4	*	7.1	0.8	*	7.1	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 320
Occupancy Rate 54
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 83
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 173
Licensed Practical Nurses 93

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEADVILLE MEDICAL CENTER

Medicare Provider Number: 390113

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,151	9.8	8.4	0.8	14.5	13.0	1.0	17.9	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	68	36.8	28.2	7.2	42.6	31.3	7.9	42.6	34.7	8.3
Congestive Heart Failure	89	18.0	14.4	4.6	27.0	22.1	6.8	32.6	28.6	7.6
Pneumonia/Influenza	100	18.0	15.9	4.5	22.0	21.4	5.1	27.0	25.7	4.9
Chronic Obstructive Pulmonary Disease	31	6.5	8.5	*	9.7	14.3	*	25.8	19.7	*
Transient Cerebral Ischemia	31	0.0	2.0	*	3.2	4.2	*	6.5	6.6	*
Stroke	85	22.4	18.8	6.2	27.1	25.5	5.2	29.4	29.9	5.4
Hip Fracture	56	12.5	6.1	6.2	17.9	11.1	7.2	21.4	14.3	9.1
Sepsis	20	30.0	20.1	*	45.0	28.3	*	45.0	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.7	*	7.7	5.4	*	7.7	8.1	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	34	5.9	3.8	*	8.8	7.3	*	11.8	9.9	*
Open Reduction of Hip Fracture	30	13.3	5.3	*	16.7	9.9	*	23.3	12.9	*
Prostatectomy	70	0.0	1.2	1.8	2.9	2.5	2.0	4.3	3.9	2.8
Cholecystectomy	42	2.4	3.2	*	2.4	5.8	*	2.4	7.5	*
Hysterectomy	17	5.9	1.3	*	5.9	2.6	*	5.9	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,174	9.7	8.7	1.1	13.9	13.4	1.2	17.4	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	66	27.3	30.0	6.9	28.8	33.6	8.0	31.8	37.1	8.9
Congestive Heart Failure	118	16.9	17.2	3.5	24.6	26.3	4.6	30.5	33.8	6.0
Pneumonia/Influenza	82	18.3	16.5	5.5	24.4	22.5	6.6	28.0	27.4	5.8
Chronic Obstructive Pulmonary Disease	69	4.3	8.2	4.8	14.5	14.4	4.2	21.7	19.5	6.0
Transient Cerebral Ischemia	37	0.0	2.1	*	2.7	4.6	*	5.4	7.2	*
Stroke	79	31.6	24.5	8.1	36.7	31.5	8.4	36.7	36.1	9.6
Hip Fracture	49	4.1	5.9	*	14.3	11.0	*	18.4	14.6	*
Sepsis	17	23.5	27.1	*	41.2	36.4	*	41.2	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.8	*	14.3	5.7	*	14.3	8.4	*
Carotid Endarterectomy	9	0.0	1.6	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	14	0.0	2.2	*	0.0	4.4	*	0.0	6.0	*
Open Reduction of Hip Fracture	31	6.5	5.1	*	16.1	10.0	*	19.4	13.5	*
Prostatectomy	93	1.1	0.8	1.1	1.1	1.9	1.6	2.2	3.2	2.1
Cholecystectomy	55	7.3	3.7	4.0	7.3	6.9	4.0	10.9	9.2	4.2
Hysterectomy	15	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICAL CENTER

1000 Dutch Ridge Rd
Beaver, PA 15009

Medicare Provider Number: 390036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,833	9.3	9.0	0.6	14.1	13.9	0.7	17.2	17.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	123	30.1	25.9	7.5	35.8	29.3	8.1	38.2	32.6	8.3
Congestive Heart Failure	207	17.9	14.8	3.3	30.0	22.9	5.4	35.7	29.7	4.9
Pneumonia/Influenza	171	22.2	18.3	5.3	28.7	24.7	4.7	32.7	29.6	5.0
Chronic Obstructive Pulmonary Disease	32	6.3	7.4	*	9.4	12.4	*	15.6	16.9	*
Transient Cerebral Ischemia	55	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	134	19.4	20.6	5.0	27.6	27.6	5.4	29.9	32.1	4.5
Hip Fracture	86	9.3	8.0	4.5	17.4	14.2	5.3	18.6	18.2	5.6
Sepsis	19	31.6	34.1	*	31.6	42.7	*	36.8	49.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.9	*	10.5	8.8	*	10.5	11.9	*
Carotid Endarterectomy	8	12.5	2.1	*	25.0	4.2	*	25.0	6.2	*
Hip Replacement/Reconstruction	75	2.7	3.5	2.3	9.3	6.8	3.3	14.7	9.3	5.2
Open Reduction of Hip Fracture	48	10.4	7.7	*	14.6	13.9	*	14.6	17.9	*
Prostatectomy	134	0.7	0.7	1.0	1.5	1.8	1.9	1.5	3.1	2.8
Cholecystectomy	77	3.9	4.0	2.2	9.1	7.2	3.4	10.4	9.4	4.3
Hysterectomy	27	0.0	0.6	*	0.0	1.3	*	3.7	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	474
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	178
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	14
Registered Nurses	347
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEDICAL CENTER

Medicare Provider Number: 390036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,899	9.8	9.3	0.9	14.9	14.1	1.0	18.2	17.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	144	31.9	29.7	4.0	38.2	33.2	4.7	41.0	36.7	4.7
Congestive Heart Failure	228	15.4	15.4	2.4	22.8	23.4	2.9	32.5	30.2	3.3
Pneumonia/Influenza	184	20.7	17.6	3.2	26.6	23.8	3.5	31.0	28.6	3.6
Chronic Obstructive Pulmonary Disease	29	10.3	9.3	*	17.2	15.4	*	17.2	20.6	*
Transient Cerebral Ischemia	91	1.1	2.3	2.6	5.5	4.7	2.4	5.5	7.2	3.8
Stroke	146	18.5	19.0	3.3	23.3	25.9	4.2	27.4	30.5	4.3
Hip Fracture	77	10.4	7.7	3.9	14.3	14.0	4.0	18.2	18.1	4.5
Sepsis	26	34.6	37.4	*	38.5	46.4	*	42.3	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	10.3	5.9	*	10.3	9.7	*	17.2	13.2	*
Carotid Endarterectomy	16	0.0	1.8	*	6.3	3.6	*	6.3	5.4	*
Hip Replacement/Reconstruction	59	5.1	2.9	3.3	5.1	5.7	3.6	5.1	7.8	4.5
Open Reduction of Hip Fracture	50	12.0	7.4	*	18.0	14.1	*	24.0	18.7	*
Prostatectomy	134	0.0	0.8	1.1	0.0	2.0	2.1	1.5	3.4	2.5
Cholecystectomy	90	3.3	2.7	1.8	8.9	5.0	3.5	10.0	6.7	3.4
Hysterectomy	22	0.0	0.6	*	0.0	1.3	*	4.5	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,872	9.4	8.6	0.6	13.9	13.5	0.6	17.7	17.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	112	26.8	27.3	5.0	29.5	30.9	4.5	33.9	34.2	4.5
Congestive Heart Failure	224	20.1	15.6	4.0	28.6	23.6	4.3	36.6	30.5	5.1
Pneumonia/Influenza	140	23.6	18.8	4.1	30.7	25.2	4.2	34.3	30.4	5.5
Chronic Obstructive Pulmonary Disease	45	22.2	10.9	*	31.1	20.3	*	35.6	27.1	*
Transient Cerebral Ischemia	90	0.0	2.1	2.5	6.7	4.5	2.7	11.1	7.1	4.4
Stroke	165	23.6	20.6	5.0	30.3	27.7	6.3	37.6	32.3	7.3
Hip Fracture	66	4.5	6.3	3.6	10.6	11.4	4.4	13.6	14.9	5.0
Sepsis	27	29.6	32.7	*	40.7	41.8	*	51.9	48.6	*
PROCEDURES:										
Angioplasty	1	0.0	1.3	*	0.0	1.7	*	0.0	2.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	0.0	4.1	*	7.7	7.9	*	12.8	11.2	*
Carotid Endarterectomy	17	5.9	1.5	*	5.9	2.7	*	5.9	3.8	*
Hip Replacement/Reconstruction	48	6.3	3.5	*	10.4	6.7	*	14.6	9.0	*
Open Reduction of Hip Fracture	34	2.9	6.3	*	5.9	11.8	*	5.9	15.5	*
Prostatectomy	162	0.0	0.9	0.9	0.6	2.2	1.5	1.2	3.8	2.2
Cholecystectomy	95	4.2	3.3	2.8	7.4	5.9	2.8	8.4	7.9	2.9
Hysterectomy	33	0.0	0.6	*	0.0	1.3	*	3.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEMORIAL HOSPITAL

325 Belmont St
York, PA 17403

Medicare Provider Number: 390101

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,330	8.5	8.9	0.8	13.5	13.5	1.1	17.6	17.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	51	21.6	24.8	7.3	27.5	27.6	6.5	33.3	30.7	7.2
Congestive Heart Failure	54	18.5	14.2	5.9	25.9	21.9	7.1	33.3	28.5	8.2
Pneumonia/Influenza	29	13.8	14.0	*	24.1	19.6	*	24.1	23.9	*
Chronic Obstructive Pulmonary Disease	20	0.0	5.9	*	0.0	10.6	*	10.0	14.9	*
Transient Cerebral Ischemia	27	0.0	1.8	*	0.0	3.8	*	3.7	6.1	*
Stroke	38	21.1	17.9	*	21.1	23.9	*	23.7	28.0	*
Hip Fracture	27	3.7	6.5	*	7.4	11.4	*	11.1	14.8	*
Sepsis	12	41.7	34.5	*	41.7	42.4	*	41.7	48.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.0	*	0.0	4.1	*	33.3	6.3	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	11	0.0	2.7	*	0.0	4.9	*	0.0	6.5	*
Open Reduction of Hip Fracture	17	0.0	6.5	*	5.9	11.8	*	11.8	15.1	*
Prostatectomy	54	0.0	1.2	1.8	3.7	3.0	2.9	3.7	5.1	3.6
Cholecystectomy	18	5.6	1.6	*	5.6	2.7	*	5.6	3.4	*
Hysterectomy	10	0.0	1.3	*	0.0	3.3	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 150
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 89
Percent of Physicians Board Certified Specialists 76
Medical Residents/Interns 34
Registered Nurses 131
Licensed Practical Nurses 84

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL

Medicare Provider Number: 390101

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,350	8.4	9.4	0.9	13.6	14.1	1.1	16.1	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	25.9	6.7	25.9	29.5	6.7	25.9	33.1	8.8
Congestive Heart Failure	56	14.3	16.6	7.0	21.4	25.2	6.6	26.8	31.9	9.0
Pneumonia/Influenza	55	3.6	13.6	7.0	9.1	18.7	7.9	10.9	22.6	9.0
Chronic Obstructive Pulmonary Disease	27	3.7	9.3	*	7.4	16.5	*	7.4	22.5	*
Transient Cerebral Ischemia	27	0.0	1.8	*	3.7	3.9	*	3.7	6.2	*
Stroke	56	10.7	18.0	6.4	14.3	23.9	7.9	16.1	28.3	9.5
Hip Fracture	22	9.1	6.8	*	18.2	12.4	*	18.2	16.1	*
Sepsis	6	50.0	35.4	*	66.7	43.7	*	66.7	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	8.1	*	11.1	10.9	*	11.1	13.6	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	12	8.3	3.7	*	16.7	7.8	*	16.7	11.2	*
Open Reduction of Hip Fracture	17	5.9	5.6	*	11.8	10.8	*	11.8	14.4	*
Prostatectomy	52	0.0	1.2	1.8	3.8	3.1	3.6	5.8	5.3	4.6
Cholecystectomy	15	0.0	2.9	*	6.7	5.4	*	6.7	7.1	*
Hysterectomy	10	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,306	9.0	9.9	1.1	14.0	14.6	1.2	17.3	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	39	30.8	25.4	*	33.3	29.0	*	33.3	32.6	*
Congestive Heart Failure	54	18.5	16.0	5.3	29.6	24.3	8.4	42.6	31.4	11.3
Pneumonia/Influenza	23	8.7	15.5	*	13.0	21.8	*	13.0	26.7	*
Chronic Obstructive Pulmonary Disease	32	9.4	9.0	*	18.8	15.4	*	25.0	20.5	*
Transient Cerebral Ischemia	26	0.0	1.7	*	0.0	3.6	*	3.8	5.7	*
Stroke	57	14.0	20.6	9.9	15.8	27.0	11.2	21.1	31.8	12.2
Hip Fracture	24	0.0	5.5	*	4.2	10.2	*	8.3	13.4	*
Sepsis	11	18.2	31.2	*	27.3	37.3	*	27.3	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.0	*	0.0	5.3	*	0.0	7.4	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	17	0.0	3.1	*	0.0	5.9	*	5.9	7.9	*
Open Reduction of Hip Fracture	13	0.0	4.9	*	7.7	9.3	*	7.7	12.4	*
Prostatectomy	43	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*
Cholecystectomy	23	8.7	4.2	*	13.0	7.4	*	17.4	9.5	*
Hysterectomy	6	0.0	2.3	*	0.0	5.6	*	0.0	8.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Memorial
Hospital
325 S. Belmont St., P.O. Box M-118, York, Pennsylvania 17405 (717) 843-8623

Medicare Provider 390101

COMMENTS ON HCFA MORTALITY STATISTICS 1990

The 1990 HCFA Mortality Release continues to provide hospitals with a tool to assess outcome trends for the Medicare population, and through this assessment, identify areas for improvements.

Memorial Hospital welcomes the chance to use the 1990 data as part of its hospital wide quality assessment program.

MEMORIAL HOSPITAL INC

One Hospital Drive
Towanda, PA 18848

Medicare Provider Number: 390236

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	510	12.4	9.6	1.7	15.7	13.9	1.7	18.8	17.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	25	36.0	28.0	*	36.0	31.6	*	36.0	36.2	*
Congestive Heart Failure	33	15.2	15.0	*	27.3	23.5	*	30.3	30.6	*
Pneumonia/Influenza	28	21.4	17.7	*	21.4	24.0	*	28.6	28.8	*
Chronic Obstructive Pulmonary Disease	11	27.3	8.5	*	27.3	13.8	*	27.3	18.5	*
Transient Cerebral Ischemia	14	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	31	32.3	20.3	*	35.5	26.0	*	45.2	30.6	*
Hip Fracture	14	0.0	4.3	*	0.0	8.0	*	0.0	10.9	*
Sepsis	2	50.0	49.1	*	50.0	59.4	*	50.0	66.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.4	*	0.0	0.6	*	0.0	1.0	*
Open Reduction of Hip Fracture	13	0.0	3.9	*	0.0	7.7	*	0.0	10.6	*
Prostatectomy	6	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	17	0.0	3.4	*	5.9	6.9	*	5.9	9.7	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	99
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	56
Medical Residents/Interns	0
Registered Nurses	67
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL INC

Medicare Provider Number: 390236

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	524	12.0	10.4	1.9	16.0	14.8	1.9	19.5	18.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	35.9	*	18.8	39.5	*	25.0	43.9	*
Congestive Heart Failure	26	11.5	15.9	*	26.9	24.0	*	34.6	30.3	*
Pneumonia/Influenza	33	12.1	18.0	*	21.2	24.1	*	30.3	28.9	*
Chronic Obstructive Pulmonary Disease	22	0.0	7.7	*	0.0	12.8	*	9.1	17.3	*
Transient Cerebral Ischemia	16	0.0	2.3	*	0.0	4.9	*	6.3	7.8	*
Stroke	27	37.0	21.6	*	44.4	28.2	*	44.4	33.2	*
Hip Fracture	6	16.7	5.6	*	33.3	10.5	*	33.3	14.0	*
Sepsis	2	0.0	31.1	*	50.0	37.3	*	50.0	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.1	*	0.0	4.0	*	0.0	6.1	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	4	0.0	3.9	*	25.0	7.8	*	25.0	10.7	*
Open Reduction of Hip Fracture	2	0.0	3.7	*	0.0	7.6	*	0.0	10.4	*
Prostatectomy	6	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*
Cholecystectomy	10	20.0	4.4	*	30.0	6.6	*	30.0	7.8	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	561	9.8	8.7	1.7	14.1	12.9	1.8	16.6	16.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	23.0	*	26.7	26.0	*	26.7	29.3	*
Congestive Heart Failure	31	16.1	12.6	*	29.0	19.5	*	35.5	25.7	*
Pneumonia/Influenza	32	18.8	16.5	*	25.0	22.2	*	25.0	27.1	*
Chronic Obstructive Pulmonary Disease	9	22.2	4.9	*	22.2	8.4	*	22.2	11.6	*
Transient Cerebral Ischemia	26	3.8	1.8	*	7.7	4.0	*	7.7	6.5	*
Stroke	27	22.2	22.7	*	40.7	29.1	*	40.7	34.1	*
Hip Fracture	10	0.0	6.9	*	0.0	13.2	*	0.0	17.7	*
Sepsis	8	50.0	34.9	*	50.0	42.0	*	75.0	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Hip Replacement/Reconstruction	3	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*
Open Reduction of Hip Fracture	9	0.0	6.1	*	0.0	12.4	*	0.0	17.0	*
Prostatectomy	9	0.0	1.2	*	0.0	3.1	*	0.0	5.4	*
Cholecystectomy	12	16.7	3.8	*	16.7	7.2	*	16.7	9.6	*
Hysterectomy	3	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Memorial Hospital, Inc.
One Hospital Drive
Towanda, PA 18848
Medicare Provider # 390236

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Mrs. Kappert,

The Medical Staff Quality Assurance Committee has reviewed the Medicare Hospital Mortality Information as presented by HCFA. After examining the results the committee identified the following concerns:

1. If raw data is to be made available to the public hospital specific information should also be made available inclusive of such variables as:
   a. patient population specifics
   b. the presence of monitoring and evaluation activities including the process for mortality review and the use of the internal data
   c. evaluation results specific to mortality and population - for example "do not resuscitate" policies and statistics
   d. our proximity to extended care facilities and attached skilled nursing facility

2. If data is to be made available to the public then actual and complete hospital data and statistics should be presented not just the use of random sampling techniques. While our actual number of total Medicare cases exceeds your number by well over 300, our total Medicare deaths exceeds yours by only four.

3. Again, if the data is to be made available to the public then the data should be accurate. For example we found errors in your numbers for categories and principal diagnosis. Since your data did not include readmissions errors resulted in the statistics for the conditions. For example case [redacted] included information for the 6/13 to 6/20 admission with the death on 7/12 listed under the condition of C3 or pneumonia/influenza. However the patient had a subsequent admission from 7/3 to 7/12 and the diagnosis on the day of death was ICD9 428 or congestive heart failure. Whereas HCFA

listed the cause of death under the 6/20 condition. Therefore the HCFA statistics on the rates for observed conditions are inaccurate. This was not the only case in which the error occurred.

4. Wrong medical records were also provided by HCFA which makes the retrieval of charts difficult.

The data provided by HCFA is interesting and informative for our own internal use, but the raw data as presented is not an accurate or complete picture for public use.

Sincerely,

Lynn W. Dibble

Lynn W. Dibble
Quality Assurance Coordinator

MEMORIAL HOSPITAL OF BEDFORD COUNTY

Rd 1
Everett, PA 15537

Medicare Provider Number: 390117

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	923	10.2	9.7	1.2	13.7	14.4	1.4	17.1	18.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	46	23.9	26.0	*	26.1	30.1	*	28.3	33.7	*
Congestive Heart Failure	60	8.3	15.2	7.4	11.7	23.4	8.9	23.3	30.3	7.7
Pneumonia/Influenza	41	22.0	17.8	*	26.8	24.0	*	31.7	28.7	*
Chronic Obstructive Pulmonary Disease	15	6.7	11.9	*	20.0	19.1	*	26.7	24.6	*
Transient Cerebral Ischemia	35	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Stroke	45	11.1	20.9	*	22.2	28.1	*	24.4	32.6	*
Hip Fracture	23	8.7	8.1	*	13.0	14.4	*	17.4	18.4	*
Sepsis	8	25.0	26.9	*	25.0	32.5	*	25.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	4.9	*	11.1	9.2	*	22.2	12.3	*
Open Reduction of Hip Fracture	13	7.7	8.0	*	7.7	14.8	*	7.7	19.2	*
Prostatectomy	23	17.4	1.6	*	26.1	3.8	*	26.1	6.4	*
Cholecystectomy	21	9.5	3.3	*	9.5	4.9	*	9.5	5.7	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	95
Occupancy Rate	45
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	35
Percent of Physicians Board Certified Specialists	49
Medical Residents/Interns	1
Registered Nurses	75
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL OF BEDFORD COUNTY

Medicare Provider Number: 390117

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	929	11.0	11.1	1.1	14.9	16.4	1.3	19.2	20.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	48	27.1	30.0	*	31.3	33.0	*	37.5	36.3	*
Congestive Heart Failure	88	12.5	16.7	4.5	17.0	25.4	6.4	25.0	32.3	7.1
Pneumonia/Influenza	49	20.4	19.7	*	24.5	26.4	*	30.6	31.4	*
Chronic Obstructive Pulmonary Disease	17	5.9	8.7	*	17.6	14.8	*	17.6	20.2	*
Transient Cerebral Ischemia	27	0.0	2.3	*	3.7	5.1	*	7.4	8.0	*
Stroke	51	25.5	19.8	7.0	29.4	27.8	6.8	35.3	32.8	6.7
Hip Fracture	12	0.0	10.0	*	8.3	17.7	*	16.7	22.4	*
Sepsis	11	18.2	35.0	*	18.2	42.7	*	36.4	49.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	4.9	*	12.5	8.9	*	25.0	12.1	*
Open Reduction of Hip Fracture	8	0.0	10.1	*	12.5	18.3	*	12.5	23.1	*
Prostatectomy	17	0.0	1.2	*	0.0	3.0	*	0.0	5.1	*
Cholecystectomy	18	5.6	2.1	*	11.1	3.9	*	11.1	5.4	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	891	11.3	10.1	1.2	16.5	15.2	1.5	19.6	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	34	35.3	27.7	*	41.2	31.0	*	44.1	34.4	*
Congestive Heart Failure	85	14.1	16.4	4.4	21.2	24.8	7.3	25.9	31.7	8.1
Pneumonia/Influenza	33	27.3	18.0	*	33.3	24.6	*	42.4	29.8	*
Chronic Obstructive Pulmonary Disease	28	10.7	10.5	*	14.3	17.1	*	21.4	22.2	*
Transient Cerebral Ischemia	29	0.0	2.5	*	3.4	5.9	*	3.4	9.6	*
Stroke	72	22.2	16.8	4.8	27.8	24.6	5.5	31.9	29.3	5.4
Hip Fracture	21	0.0	6.1	*	0.0	10.7	*	4.8	13.8	*
Sepsis	9	33.3	27.0	*	33.3	35.4	*	44.4	41.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	9.4	*	0.0	13.3	*	0.0	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.2	*	0.0	6.3	*	0.0	8.9	*
Open Reduction of Hip Fracture	12	0.0	5.8	*	0.0	10.6	*	8.3	13.7	*
Prostatectomy	25	0.0	1.1	*	0.0	2.6	*	4.0	4.5	*
Cholecystectomy	22	4.5	2.4	*	13.6	4.4	*	13.6	6.0	*
Hysterectomy	8	0.0	0.8	*	0.0	1.9	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Memorial Hospital of Bedford County

R.D. 1, Box 80, Everett, Pennsylvania 15537-9513

Telephone: (814) 623-6161
Fax No.: (814) 623-7202

James C. Vreeland, FACHE
Director

MEDICARE PROVIDER #: 390117

The data from Memorial Hospital of Bedford County has a very small representative number of patients that no standard deviations are obtainable making the observed mortality standard very questionable.

Indepth look at several of the categories revealed the following:

PNEUMONIA: Showed a total of 41 patients of which there were sixteen deaths. Only three of these deaths occurred during hospitalization for pneumonia - 1 of the three had DNR(do not resuscitate) orders, one was a hospice patient with terminal carcinoma. Three more of the 16 died on later admissions to the hospital - all three had DNR orders and two the three were cancer patients. The remaining ten patients died elsewhere with no information as to the cause of death - some of these were up to nine plus months post discharge.

FRACTURE HIP: Showed a total of 23 patients of which five were deaths. None of the deaths were during the admission for fracture. The deaths occurred up to 11 months post discharge.

HIP REPLACEMENT/RECONSTRUCTION: Showed 9 patients admitted of which there were two deaths. One of the two patients died elsewhere while the other patient was readmitted to this hospital five months post discharge and died of CVA with DNR orders written. Memorial Hospital of Bedford County feels that traumatic hip fractures and the scheduled hip replacement should not be grouped as one under hip replacement/reconstruction. The two patients both had hemiarthroplasty with insertion Austin-Moore prosthesis.

CHOLECYSTECTOMY:Showed 21 patients with 2 deaths. One death occurred while hospitalized and the remaining one was a readmission for cerebrovascular accident.

PROSTATECTOMY: Showed a total of 23 patients with 8 deaths, three of which died during the hospitalization. Of the three - one was a cancer patient, 1 had DNR orders and 1 had a myocardial infarction. Two other patients were readmitted 2½ and 7 months postop and died with other problems. The remaining 3 died at other locations.

MERCY CATHOLIC MEDICAL CENTER

Lansdowne & Baily Rds
Darby, PA 19023

Medicare Provider Number: 390156

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,921	10.6	11.1	0.7	18.2	16.7	0.8	22.6	21.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	122	21.3	25.9	5.6	26.2	28.9	5.4	30.3	32.0	4.5
Congestive Heart Failure	261	8.8	14.8	3.2	19.2	22.8	3.6	23.0	29.5	3.9
Pneumonia/Influenza	176	23.9	18.3	3.6	34.1	24.9	4.9	40.3	30.0	5.1
Chronic Obstructive Pulmonary Disease	105	8.6	10.1	4.8	14.3	17.3	3.9	23.8	23.1	4.6
Transient Cerebral Ischemia	72	0.0	1.8	2.2	1.4	4.0	3.2	4.2	6.4	3.7
Stroke	139	20.9	19.6	3.4	30.9	25.6	4.6	36.7	29.9	5.8
Hip Fracture	79	2.5	5.7	3.9	10.1	10.3	4.4	11.4	13.5	4.3
Sepsis	122	35.2	28.9	5.8	53.3	38.4	6.6	59.0	45.1	6.8
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	3.9	*	6.3	7.1	*	18.8	10.0	*
Carotid Endarterectomy	12	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	37	2.7	4.7	*	8.1	9.2	*	8.1	12.5	*
Open Reduction of Hip Fracture	42	2.4	5.6	*	11.9	10.7	*	11.9	14.1	*
Prostatectomy	182	1.6	1.6	1.6	4.4	3.3	2.1	6.6	5.2	2.5
Cholecystectomy	40	0.0	4.8	*	2.5	8.3	*	2.5	10.5	*
Hysterectomy	15	0.0	1.5	*	0.0	3.2	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 574
Occupancy Rate 81
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 303
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 87
Registered Nurses 614
Licensed Practical Nurses 41

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY CATHOLIC MEDICAL CENTER

Medicare Provider Number: 390156

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,070	12.0	10.9	0.5	19.1	16.3	0.8	23.7	20.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	144	36.8	30.8	7.2	38.9	34.1	6.3	41.0	37.6	5.4
Congestive Heart Failure	279	18.3	15.2	3.5	29.0	23.2	4.8	35.1	29.9	4.7
Pneumonia/Influenza	158	23.4	16.5	4.0	30.4	22.1	4.9	32.3	26.6	4.5
Chronic Obstructive Pulmonary Disease	86	11.6	10.5	3.4	19.8	17.7	4.5	25.6	23.8	4.9
Transient Cerebral Ischemia	71	2.8	1.8	3.1	5.6	4.1	4.4	8.5	6.4	4.8
Stroke	200	21.5	21.6	3.0	29.5	27.5	4.2	35.0	31.9	5.0
Hip Fracture	94	4.3	6.2	2.9	13.8	11.4	3.6	20.2	14.8	5.1
Sepsis	89	41.6	28.2	6.9	50.6	36.1	8.0	57.3	42.3	7.6
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	7.4	*	6.7	11.0	*	13.3	14.1	*
Carotid Endarterectomy	11	0.0	2.0	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	53	1.9	4.2	3.6	5.7	8.2	5.2	9.4	10.9	4.7
Open Reduction of Hip Fracture	48	6.3	5.8	*	16.7	11.0	*	25.0	14.5	*
Prostatectomy	195	2.6	1.4	1.5	4.1	3.2	2.5	6.7	5.1	2.9
Cholecystectomy	76	2.6	3.3	2.3	7.9	5.8	3.1	11.8	7.5	4.1
Hysterectomy	16	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,149	11.0	11.3	0.7	18.5	16.8	0.6	23.4	21.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	177	30.5	31.5	4.0	33.9	34.9	3.6	38.4	38.3	3.7
Congestive Heart Failure	288	14.9	16.4	2.4	26.0	24.8	2.7	36.1	31.7	3.5
Pneumonia/Influenza	168	20.2	17.7	5.6	26.8	23.9	6.4	32.7	28.9	7.9
Chronic Obstructive Pulmonary Disease	93	9.7	9.9	3.7	23.7	16.4	6.0	29.0	21.2	7.2
Transient Cerebral Ischemia	103	3.9	2.2	3.0	10.7	4.8	4.7	10.7	7.6	4.4
Stroke	213	18.8	21.1	4.2	26.3	27.4	3.4	30.5	32.0	3.7
Hip Fracture	87	3.4	5.9	2.9	6.9	10.9	4.1	8.0	14.3	5.5
Sepsis	94	25.5	29.0	5.2	38.3	37.3	5.1	41.5	43.6	6.6
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	9.5	5.5	*	19.0	11.4	*	23.8	16.6	*
Carotid Endarterectomy	15	6.7	1.5	*	6.7	2.8	*	6.7	3.9	*
Hip Replacement/Reconstruction	41	4.9	5.2	*	7.3	9.4	*	9.8	12.3	*
Open Reduction of Hip Fracture	48	0.0	5.4	*	6.3	10.4	*	6.3	13.9	*
Prostatectomy	232	1.3	1.4	0.8	3.4	3.4	1.2	5.6	5.5	1.5
Cholecystectomy	43	0.0	3.9	*	4.7	7.0	*	7.0	9.0	*
Hysterectomy	14	0.0	2.6	*	0.0	5.1	*	7.1	7.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

241.1

Mercy
HEALTH CORPORATION OF
SOUTHEASTERN PENNSYLVANIA

Suite 402
One Bala Plaza
Bala Cynwyd, PA 19004
(215) 660-7442

Office of the Executive Vice President

I.D. #390156

January 15, 1991

Gail R. Wilensky, Ph.D.
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Wilensky:

Thank you for sending us the mortality data. We appreciate the opportunity to review the data prior to its publication.

Mercy Catholic Medical Center (Fitzgerald Mercy and Misericordia Hospitals) continues its commitment to assuring the highest standards of care for its patients through a comprehensive and ongoing Quality Assurance Program. Our Quality Review Department, consisting of quality assurance nurses, staff physicians, and Clinical Department Chairmen, monitors the quality of care for every patient. The cornerstone of our program is the MedisGroup System which allows review of all mortality by the Medical Staff at their clinical department meetings. At MCMC the quality assurance commitment extends from all of whom are intimately involved in reviewing and interpreting the information. We believe strongly that MCMC has a verifiable system in place designed to insure quality care to all its patients.

We are pleased that MCMC's actual mortality for all conditions continues to be within the predicted ranges for 30, 90 and 180 days post admission, at or above the 95th percentile with the exception of sepsis.

I.D. #390156

Sepsis is minimally above the predicted range at 90 and 180 days post admission. We plan to review the sepsis data internally. However, we continue to be concerned with the correlation between initial admission diagnosis and mortality up to 180 days post admission.

We would comment also that the hospital statistics contain several errors. In Fiscal Year 1989, Mercy Catholic Medical Center had 107 Medical Resident/Interns and operated a cardiac intensive care unit and an intensive care nursery.

Sincerely yours,

Plato A. Marinakos

PAM/md

MERCY HOSPITAL

2500 Seventh Ave
Altoona, PA 16603

Medicare Provider Number: 390121

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,338	9.4	10.2	1.0	15.9	15.8	1.5	19.7	20.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	33	21.2	28.0	*	24.2	31.5	*	27.3	35.1	*
Congestive Heart Failure	81	16.0	14.6	5.0	29.6	22.7	7.8	37.0	29.4	10.0
Pneumonia/Influenza	70	5.7	17.3	6.2	11.4	23.7	7.5	14.3	28.6	7.7
Chronic Obstructive Pulmonary Disease	48	4.2	12.9	*	10.4	19.3	*	10.4	24.5	*
Transient Cerebral Ischemia	30	0.0	2.1	*	0.0	4.8	*	6.7	7.7	*
Stroke	58	17.2	17.3	5.2	27.6	24.6	6.5	36.2	29.0	7.6
Hip Fracture	35	8.6	7.7	*	20.0	13.8	*	22.9	17.9	*
Sepsis	15	33.3	22.9	*	33.3	29.6	*	40.0	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	1.7	*	0.0	3.5	*	0.0	5.5	*
Carotid Endarterectomy	2	50.0	2.1	*	50.0	3.7	*	50.0	5.3	*
Hip Replacement/Reconstruction	16	0.0	4.5	*	6.3	8.4	*	12.5	11.1	*
Open Reduction of Hip Fracture	25	12.0	6.3	*	20.0	11.9	*	20.0	15.6	*
Prostatectomy	42	0.0	0.8	*	2.4	2.0	*	4.8	3.4	*
Cholecystectomy	20	15.0	1.9	*	15.0	4.1	*	20.0	6.3	*
Hysterectomy	11	0.0	0.6	*	9.1	1.4	*	9.1	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 183
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 88
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 0
Registered Nurses 164
Licensed Practical Nurses 37

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 390121

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,520	10.1	9.5	0.9	16.1	14.9	1.2	19.9	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	34	35.3	25.8	*	35.3	28.8	*	35.3	32.2	*
Congestive Heart Failure	86	26.7	16.1	7.3	34.9	24.5	8.4	41.9	31.3	8.4
Pneumonia/Influenza	57	22.8	17.1	8.7	28.1	23.1	9.6	33.3	27.9	11.1
Chronic Obstructive Pulmonary Disease	37	0.0	8.2	*	2.7	14.0	*	8.1	19.1	*
Transient Cerebral Ischemia	34	0.0	1.7	*	0.0	3.9	*	0.0	6.3	*
Stroke	68	19.1	17.5	8.2	27.9	24.3	8.0	30.9	28.7	6.7
Hip Fracture	42	7.1	7.8	*	14.3	13.9	*	21.4	17.6	*
Sepsis	19	31.6	26.0	*	36.8	33.1	*	47.4	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	5.4	*	20.0	9.6	*	20.0	13.1	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.5	*	0.0	5.0	*
Hip Replacement/Reconstruction	15	6.7	5.4	*	6.7	10.4	*	13.3	13.8	*
Open Reduction of Hip Fracture	24	8.3	6.0	*	20.8	11.4	*	25.0	15.0	*
Prostatectomy	55	5.5	1.8	3.7	9.1	4.5	5.4	10.9	7.4	5.5
Cholecystectomy	28	14.3	4.5	*	14.3	7.5	*	14.3	9.3	*
Hysterectomy	23	0.0	1.2	*	0.0	2.3	*	8.7	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,388	9.7	10.0	0.9	15.3	15.3	1.1	19.3	19.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	48	31.2	28.8	*	33.3	32.3	*	33.3	35.9	*
Congestive Heart Failure	66	22.7	18.4	6.4	36.4	27.1	9.7	40.9	34.2	8.1
Pneumonia/Influenza	34	14.7	15.5	*	20.6	20.8	*	23.5	25.4	*
Chronic Obstructive Pulmonary Disease	46	0.0	10.8	*	6.5	17.4	*	13.0	22.6	*
Transient Cerebral Ischemia	29	3.4	1.9	*	3.4	4.0	*	6.9	6.2	*
Stroke	55	16.4	16.4	5.6	21.8	23.6	5.9	25.5	28.0	6.5
Hip Fracture	42	2.4	6.8	*	11.9	12.0	*	19.0	15.3	*
Sepsis	21	19.0	33.5	*	23.8	43.7	*	23.8	49.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	6.3	*	22.2	11.5	*	22.2	15.6	*
Carotid Endarterectomy	3	33.3	1.9	*	33.3	3.5	*	33.3	5.0	*
Hip Replacement/Reconstruction	19	0.0	6.3	*	15.8	11.8	*	21.1	15.4	*
Open Reduction of Hip Fracture	26	3.8	4.9	*	7.7	9.1	*	15.4	11.9	*
Prostatectomy	49	0.0	1.3	*	4.1	3.1	*	4.1	5.0	*
Cholecystectomy	20	5.0	3.7	*	10.0	7.3	*	15.0	10.2	*
Hysterectomy	12	0.0	1.0	*	0.0	2.0	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL

25 Church St PO Bx 658
Wilkes Barre, PA 18765

Medicare Provider Number: 390169

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,483	10.6	9.6	0.7	16.7	14.4	1.2	20.4	18.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	79	35.4	31.9	9.5	40.5	35.3	8.8	41.8	38.7	7.1
Congestive Heart Failure	188	16.5	14.0	2.7	23.9	21.8	3.5	29.3	28.4	3.3
Pneumonia/Influenza	85	21.2	16.5	4.7	29.4	22.3	7.2	35.3	26.9	7.2
Chronic Obstructive Pulmonary Disease	55	9.1	6.5	4.0	18.2	12.2	7.3	23.6	17.3	11.5
Transient Cerebral Ischemia	73	2.7	1.6	2.4	9.6	3.4	5.0	9.6	5.4	5.0
Stroke	118	22.0	20.1	5.0	27.1	27.2	4.2	32.2	31.7	4.3
Hip Fracture	63	1.6	6.7	4.8	7.9	12.0	5.5	12.7	15.6	5.0
Sepsis	37	21.6	27.6	*	32.4	35.6	*	35.1	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	17.6	4.5	*	17.6	9.0	*	29.4	13.4	*
Carotid Endarterectomy	12	0.0	1.5	*	0.0	2.9	*	8.3	4.3	*
Hip Replacement/Reconstruction	35	5.7	4.6	*	11.4	8.5	*	11.4	11.2	*
Open Reduction of Hip Fracture	27	0.0	6.3	*	7.4	11.7	*	18.5	15.3	*
Prostatectomy	56	1.8	1.4	2.9	7.1	3.5	4.1	7.1	5.9	4.0
Cholecystectomy	51	5.9	2.3	3.7	9.8	3.7	4.6	9.8	4.6	4.9
Hysterectomy	24	4.2	1.1	*	8.3	2.3	*	8.3	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 303
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 170
Licensed Practical Nurses 47

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 390169

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,581	11.5	9.8	1.1	16.9	14.9	1.3	21.0	18.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	98	37.8	30.5	7.1	43.9	33.6	8.8	45.9	37.1	9.2
Congestive Heart Failure	165	18.8	15.3	3.6	26.7	23.6	3.5	28.5	30.4	3.7
Pneumonia/Influenza	88	19.3	17.0	6.1	26.1	22.6	8.9	30.7	27.1	9.3
Chronic Obstructive Pulmonary Disease	36	8.3	6.5	*	16.7	12.0	*	19.4	16.9	*
Transient Cerebral Ischemia	99	3.0	1.7	1.5	4.0	3.6	1.9	5.1	5.7	2.4
Stroke	127	18.1	20.6	5.9	22.0	27.0	6.3	29.1	31.5	5.4
Hip Fracture	66	10.6	8.1	4.0	15.2	14.4	6.0	24.2	18.4	7.4
Sepsis	30	36.7	28.5	*	43.3	39.1	*	50.0	45.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	4.9	*	11.1	7.5	*	11.1	10.2	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	34	14.7	6.5	*	17.6	12.6	*	26.5	16.7	*
Open Reduction of Hip Fracture	33	6.1	7.4	*	9.1	13.8	*	18.2	17.9	*
Prostatectomy	61	0.0	2.0	2.4	1.6	4.9	4.0	3.3	7.9	5.3
Cholecystectomy	32	9.4	3.3	*	9.4	5.8	*	12.5	7.5	*
Hysterectomy	14	0.0	0.8	*	0.0	1.4	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,510	9.7	10.0	0.6	15.0	15.0	0.7	20.1	19.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	105	24.8	29.7	6.9	30.5	32.7	6.7	33.3	36.0	6.3
Congestive Heart Failure	196	18.4	16.0	2.8	27.6	24.2	3.9	41.3	30.9	5.2
Pneumonia/Influenza	69	13.0	18.1	6.8	18.8	24.2	8.4	21.7	29.3	9.5
Chronic Obstructive Pulmonary Disease	30	10.0	8.9	*	20.0	15.2	*	26.7	20.4	*
Transient Cerebral Ischemia	83	0.0	1.7	2.1	2.4	3.6	2.3	3.6	5.7	3.1
Stroke	115	11.3	21.9	5.9	20.0	29.3	5.8	27.0	34.1	5.5
Hip Fracture	54	3.7	6.2	3.7	3.7	11.3	6.0	11.1	14.8	5.4
Sepsis	29	34.5	30.2	*	44.8	39.5	*	51.7	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	11.1	4.9	*	16.7	8.6	*	16.7	11.6	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.3	*	20.0	4.8	*
Hip Replacement/Reconstruction	22	0.0	4.3	*	0.0	8.1	*	4.5	10.8	*
Open Reduction of Hip Fracture	32	3.1	5.3	*	3.1	10.3	*	9.4	13.7	*
Prostatectomy	68	1.5	1.0	1.4	4.4	2.4	2.5	4.4	4.1	2.7
Cholecystectomy	51	2.0	4.8	4.0	3.9	8.2	5.3	9.8	10.6	4.7
Hysterectomy	21	0.0	0.9	*	0.0	2.0	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

245.1

Mercy Hospital

January 11, 1991

Mrs. Sandra K. Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Attached please find comments from Mercy Hospital, Wilkes-Barre, Pennsylvania relative to our 1989 Medicare Mortality Data. It is our understanding that comments received by January 15, 1991 will be published.

Thank you.

Sincerely,

Edward M. Stein, Jr.,
President and CEO

Attachment

EMS/bd

25 Church Street, P.O. Box 658
Wilkes-Barre, PA 18765 • (717) 826-3100

A member of Mercy Med-Care, Inc.

Sponsored by The Religious Sisters of Mercy-Province of Scranton

Mercy Hospital

Medicare Provider Number: 390169

RESPONSE TO HCFA MORTALITY DATA

Mercy Hospital, Wilkes-Barre, appreciates the opportunity to respond to the Health Care Financing Administration's planned Medicare Mortality Data Release.

Mercy's commitment to quality patient care is the foundation on which its long history and reputation as a leading healthcare provider has been built. Mercy maintains a comprehensive quality assurance program which monitors and evaluates the quality and appropriateness of patient care services through a variety of methodologies. The process is managed on an ongoing basis by a staff of Quality Assessment professionals with direction and guidance from an involved and participative Medical Staff and Administration.

Edward M. Stein, Jr., President and Chief Executive Officer of Mercy Hospital said, "Mercy's sincere commitment to quality is a common thread among the Board of Directors, Medical Staff, Administration and employees. This dedication at all levels is the true strength of our organization and the primary reason for our demonstrated excellence in quality."

A significant fact concerning Mercy is that its Medicare patient population accounts for 50-55% of its admissions while the average Medicare mix for all other hospitals in Pennsylvania is approximately 38%. It is therefore evident that Mercy cares for an older, more severely ill patient population than most other hospitals.

Edward Kurello, D.O., President of Mercy's Medical Staff responded to the HCFA report by stating, "Mercy Hospital places significant value on the quality of care it provides. Mortality data does not give us a precise measure of quality, but it does provide us with a screening tool for peer review purposes. HCFA's efforts are helpful to hospitals' internal quality assessment systems, but are of limited use to the general public."

25 Church Street, P.O. Box 658
Wilkes-Barre, PA 18765 • (717) 826-3100

A member of Mercy Med-Care, Inc.

Sponsored by The Religious Sisters of Mercy-Province of Scranton

MERCY HOSPITAL

746 Jefferson Ave
Scranton, PA 18501

Medicare Provider Number: 390237

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,030	9.0	9.0	0.5	14.5	13.8	0.6	18.5	17.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	125	19.2	23.8	6.5	22.4	26.9	7.7	24.0	30.1	9.1
Congestive Heart Failure	241	16.6	14.4	2.5	29.0	22.2	3.7	38.2	28.8	4.5
Pneumonia/Influenza	146	15.8	15.5	3.0	26.7	21.1	4.0	31.5	25.4	4.3
Chronic Obstructive Pulmonary Disease	44	13.6	10.3	*	22.7	18.1	*	27.3	24.5	*
Transient Cerebral Ischemia	97	2.1	1.6	1.5	2.1	3.6	2.3	5.2	5.7	2.5
Stroke	137	21.2	20.1	4.8	27.0	26.5	4.6	29.9	30.9	4.4
Hip Fracture	83	7.2	6.5	3.2	13.3	11.5	5.8	13.3	14.9	6.2
Sepsis	57	15.8	23.5	8.1	29.8	31.6	6.9	36.8	37.2	7.1
PROCEDURES:										
Angioplasty	75	4.0	2.5	2.3	4.0	3.2	2.5	4.0	4.1	2.9
Coronary Artery Bypass Graft	127	6.3	5.0	2.4	7.1	7.3	2.3	9.4	8.7	2.6
Initial Pacemaker Insertion	26	3.8	3.7	*	11.5	6.6	*	11.5	9.6	*
Carotid Endarterectomy	20	5.0	1.3	*	5.0	2.3	*	5.0	3.3	*
Hip Replacement/Reconstruction	58	3.4	4.1	3.2	10.3	8.1	4.5	10.3	11.2	6.2
Open Reduction of Hip Fracture	37	5.4	5.6	*	13.5	10.4	*	13.5	13.7	*
Prostatectomy	97	0.0	1.0	1.3	2.1	2.5	1.8	3.1	4.1	2.4
Cholecystectomy	65	4.6	4.3	3.1	10.8	7.7	5.2	13.8	10.0	6.9
Hysterectomy	21	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 365
Occupancy Rate 85
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 190
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 314
Licensed Practical Nurses 121

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 390237

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,918	9.8	9.5	0.6	14.7	14.5	0.6	18.7	18.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	121	29.8	27.1	4.5	30.6	30.4	4.4	32.2	33.9	4.4
Congestive Heart Failure	244	14.8	14.5	2.3	21.3	22.2	3.5	27.0	28.6	3.6
Pneumonia/Influenza	118	10.2	16.9	4.8	19.5	22.9	5.1	26.3	27.7	4.2
Chronic Obstructive Pulmonary Disease	47	2.1	8.3	*	6.4	14.5	*	12.8	19.7	*
Transient Cerebral Ischemia	74	1.4	2.0	2.0	4.1	4.3	2.5	8.1	6.7	3.1
Stroke	148	25.7	21.6	4.8	31.8	28.3	6.8	36.5	32.9	5.0
Hip Fracture	74	8.1	7.2	3.1	9.5	12.9	4.2	10.8	16.3	5.2
Sepsis	47	17.0	23.4	*	23.4	31.7	*	29.8	37.9	*
PROCEDURES:										
Angioplasty	54	1.9	2.9	2.6	3.7	3.8	3.2	3.7	4.7	3.2
Coronary Artery Bypass Graft	148	7.4	5.4	2.1	8.1	7.5	2.3	8.1	8.8	2.4
Initial Pacemaker Insertion	24	8.3	6.8	*	12.5	10.4	*	12.5	13.5	*
Carotid Endarterectomy	12	8.3	1.2	*	8.3	2.0	*	8.3	2.9	*
Hip Replacement/Reconstruction	61	9.8	3.1	4.1	9.8	5.8	4.0	11.5	7.7	4.1
Open Reduction of Hip Fracture	48	4.2	6.3	*	6.3	11.8	*	6.3	15.4	*
Prostatectomy	79	1.3	1.5	1.5	1.3	2.9	2.2	3.8	4.3	2.4
Cholecystectomy	83	4.8	2.8	3.4	8.4	5.1	4.3	8.4	6.7	4.3
Hysterectomy	36	2.8	1.2	*	8.3	2.5	*	8.3	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,443	9.6	9.6	0.7	15.1	14.6	0.7	18.7	18.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	124	22.6	24.8	4.4	25.8	27.8	4.8	28.2	31.1	5.1
Congestive Heart Failure	174	17.8	15.7	3.3	21.8	23.8	3.6	29.3	30.5	4.0
Pneumonia/Influenza	124	8.1	15.9	5.0	18.5	21.5	6.7	21.8	26.1	4.5
Chronic Obstructive Pulmonary Disease	43	9.3	9.7	*	14.0	15.9	*	20.9	20.9	*
Transient Cerebral Ischemia	75	2.7	2.0	1.7	6.7	4.4	3.0	9.3	7.0	4.4
Stroke	134	23.1	22.0	4.3	29.9	28.8	4.4	35.1	33.3	4.4
Hip Fracture	71	2.8	6.1	4.4	9.9	11.1	4.3	15.5	14.5	4.6
Sepsis	39	30.8	22.1	*	46.2	29.9	*	48.7	35.6	*
PROCEDURES:										
Angioplasty	41	4.9	3.5	*	4.9	4.2	*	4.9	5.2	*
Coronary Artery Bypass Graft	132	7.6	6.2	2.9	8.3	8.6	2.8	8.3	10.0	3.0
Initial Pacemaker Insertion	27	0.0	3.1	*	0.0	6.2	*	7.4	9.1	*
Carotid Endarterectomy	24	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	46	2.2	2.9	*	8.7	5.3	*	13.0	7.0	*
Open Reduction of Hip Fracture	41	2.4	5.3	*	7.3	10.4	*	14.6	13.9	*
Prostatectomy	82	1.2	0.9	1.3	2.4	2.2	2.2	4.9	3.6	2.7
Cholecystectomy	63	4.8	3.2	3.2	6.3	5.5	3.2	6.3	6.8	3.5
Hysterectomy	27	0.0	0.8	*	3.7	1.9	*	3.7	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL - PITTSBURGH

Pride & Locust Sts
Pittsburgh, PA 15219

Medicare Provider Number: 390028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,053	6.7	8.6	0.5	11.0	13.3	0.6	13.8	16.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	116	23.3	26.0	4.6	29.3	29.5	4.2	31.9	33.1	4.6
Congestive Heart Failure	168	11.9	16.4	3.7	19.0	25.5	4.9	23.8	32.8	5.8
Pneumonia/Influenza	77	7.8	18.5	6.3	15.6	25.4	6.4	22.1	30.5	6.4
Chronic Obstructive Pulmonary Disease	50	6.0	8.1	*	16.0	13.7	*	18.0	18.5	*
Transient Cerebral Ischemia	59	0.0	1.6	2.2	1.7	3.5	2.9	3.4	5.6	3.7
Stroke	146	12.3	22.4	5.0	22.6	29.2	4.9	28.8	33.7	4.4
Hip Fracture	47	2.1	7.6	*	14.9	13.5	*	17.0	17.3	*
Sepsis	18	22.2	27.0	*	27.8	35.5	*	38.9	41.9	*
PROCEDURES:										
Angioplasty	100	5.0	3.2	2.8	5.0	4.1	3.0	5.0	5.3	3.5
Coronary Artery Bypass Graft	194	7.2	5.8	2.0	8.8	8.6	2.0	9.3	10.4	2.4
Initial Pacemaker Insertion	36	0.0	2.8	*	0.0	5.9	*	2.8	8.7	*
Carotid Endarterectomy	27	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	61	0.0	2.7	3.5	3.3	4.9	3.4	4.9	6.5	3.9
Open Reduction of Hip Fracture	19	5.3	8.4	*	21.1	15.4	*	26.3	19.7	*
Prostatectomy	65	1.5	1.5	1.7	1.5	3.3	3.4	6.2	5.3	3.0
Cholecystectomy	84	3.6	4.4	2.4	6.0	8.1	3.5	9.5	10.7	3.7
Hysterectomy	18	0.0	2.5	*	0.0	4.7	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	507
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	284
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	124
Registered Nurses	493
Licensed Practical Nurses	53

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL - PITTSBURGH

Medicare Provider Number: 390028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,186	7.3	8.8	0.5	11.7	13.6	0.7	15.2	17.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	134	22.4	25.9	4.9	26.9	29.5	5.9	29.1	33.3	6.8
Congestive Heart Failure	214	9.8	15.9	4.4	19.6	24.6	4.5	27.1	31.7	4.2
Pneumonia/Influenza	74	16.2	15.7	5.5	25.7	21.6	6.7	28.4	26.2	5.6
Chronic Obstructive Pulmonary Disease	48	4.2	7.6	*	10.4	13.4	*	16.7	18.1	*
Transient Cerebral Ischemia	85	2.4	1.9	1.7	3.5	4.2	3.0	4.7	6.8	4.1
Stroke	135	23.7	22.7	3.7	27.4	29.5	4.3	31.1	34.0	4.8
Hip Fracture	53	1.9	5.8	4.6	9.4	10.7	6.3	9.4	13.8	6.8
Sepsis	17	35.3	23.8	*	58.8	31.6	*	64.7	37.6	*
PROCEDURES:										
Angioplasty	82	6.1	4.1	3.2	6.1	5.3	3.5	8.5	6.6	3.8
Coronary Artery Bypass Graft	204	4.4	6.7	2.4	5.9	9.9	3.2	6.9	11.8	3.4
Initial Pacemaker Insertion	40	2.5	4.9	*	7.5	9.2	*	12.5	13.2	*
Carotid Endarterectomy	36	0.0	1.7	*	0.0	3.4	*	0.0	5.1	*
Hip Replacement/Reconstruction	63	0.0	2.0	*	1.6	3.9	*	1.6	5.4	*
Open Reduction of Hip Fracture	33	3.0	5.6	*	12.1	10.8	*	12.1	14.3	*
Prostatectomy	98	1.0	2.1	2.0	4.1	4.9	2.8	10.2	7.6	3.5
Cholecystectomy	77	2.6	4.2	2.8	3.9	7.2	3.7	9.1	9.0	3.3
Hysterectomy	22	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,934	6.8	9.0	0.6	11.6	14.0	0.6	14.9	17.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	135	25.9	26.0	4.1	31.1	29.8	4.9	32.6	33.5	4.2
Congestive Heart Failure	163	8.0	18.6	4.5	19.6	27.8	5.1	29.4	35.1	4.6
Pneumonia/Influenza	67	11.9	14.2	4.5	14.9	20.1	5.8	14.9	24.6	8.7
Chronic Obstructive Pulmonary Disease	35	5.7	8.3	*	8.6	15.1	*	14.3	20.6	*
Transient Cerebral Ischemia	67	0.0	2.0	2.9	4.5	4.4	2.8	6.0	6.8	4.1
Stroke	119	21.8	22.4	4.6	26.1	29.3	6.1	28.6	33.7	8.2
Hip Fracture	47	0.0	6.6	*	4.3	11.5	*	8.5	14.7	*
Sepsis	20	40.0	31.0	*	50.0	41.2	*	60.0	48.3	*
PROCEDURES:										
Angioplasty	54	5.6	5.4	4.1	7.4	6.4	4.5	9.3	7.7	5.4
Coronary Artery Bypass Graft	137	2.2	6.8	2.9	4.4	9.7	3.3	4.4	11.4	3.8
Initial Pacemaker Insertion	47	2.1	4.0	*	6.4	7.0	*	10.6	9.5	*
Carotid Endarterectomy	25	0.0	1.6	*	8.0	3.0	*	8.0	4.4	*
Hip Replacement/Reconstruction	61	3.3	2.4	2.3	3.3	4.2	2.7	4.9	5.5	3.0
Open Reduction of Hip Fracture	21	0.0	6.5	*	9.5	11.7	*	14.3	15.0	*
Prostatectomy	79	2.5	1.7	2.0	3.8	4.2	4.4	10.1	6.9	4.8
Cholecystectomy	75	4.0	4.8	2.9	8.0	7.8	3.2	9.3	9.6	3.6
Hysterectomy	17	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

249.1

The Mercy Hospital of Pittsburgh 412-232-7637
1400 Locust Street
Pittsburgh, PA 15219-5166

Mercy Hospital

Sister Kathi Sweeney, R.S.M.
Executive Vice President and
Chief Operating Officer

January 15, 1991

Medicare Provider No. 390028

HEALTH CARE FINANCING ADMINISTRATION
HEALTH STANDARDS AND QUALITY BUREAU
ATTENTION: MRS. SANDRA KAPPERT
2-D-2 MEADOWS EAST BUILDING
6325 SECURITY BOULEVARD
BALTIMORE, MARYLAND 21207

The Mercy Hospital of Pittsburgh would like to take this opportunity to express our appreciation to the Health Care Financing Administration for providing us with patient specific listings and most importantly, for sharing the data in advance of release and allowing us to comment.

Mercy Hospital, part of the Pittsburgh Mercy Health System is a 500+ bed teaching hospital and tertiary care facility offering a full range of medical and surgical services as well as pediatrics, obstetrics and psychiatry. It is also an accredited Level 1 Trauma Center and houses many specialty care units including a burn center, medical/surgical intensive care unit, cardiovascular surgery intensive care unit, coronary care unit, neonatal intensive care unit, apheresis/dialysis center and rehabilitation/spinal cord injury unit.

Mercy is staffed by 421 physicians, 75% of whom are board certified specialists. Because Mercy is a teaching hospital, patients are cared for by a team of health care professionals including interns, residents and nurses. Mercy offers six hospital based residency programs, four affiliated residency programs, one jointly sponsored residency program, three hospital based fellowships and three affiliated fellowships.

Please accept the following comments from The Mercy Hospital of Pittsburgh to be included with the data release. We appreciate the fact that the Health Care Financing Administration continues to release our comments with the data.

Mercy Hospital, as part of our on-going Quality Management Program, reviews and evaluates all deaths. In the category for all deaths the predicted mortality rate is 8.6 and Mercy has an overall observed rate of 6.7 which is a 8.95% decrease from the previous year and 1.9% below the predicted.

Reporting mortality data in this manner does not reflect the severity of the patient on admission or the seriousness of co-existing conditions. A review of patient records from several of the categories revealed that all of the patients were emergency admissions, extremely ill when they arrived at the hospital and had many long-standing, co-existing conditions of a severe or life threatening nature.

Also, the data does not describe pre-hospital services and treatment; the advanced stage of the patient's illness; or the quality of care rendered. Likewise, to attribute a patient's death to a hospital because the death occurred after discharge does not measure quality of care, the patient's compliance with prescribed treatment regimens or intervening care.

In regard to the categories of coronary angioplasty and coronary artery bypass graft we submit the following comments.

Of all of the coronary artery bypass grafts we did on Medicare patients during FY 1988-89 only a very small number of cases, were selected by HCFA to be used in the calculation of our HCFA mortality rate for that procedure. By HCFA doing a sampling of our Medicare inpatients, instead of using all cases, the statistics reported do not agree with our actual statistics. Our data and data from an independent contractor who used the entire MEDPAR file, not a sampling, shows a national rate of 4.1 and Mercy's rate to be 2.3 which is 1.8 lower than the national average. We believe these statistics to be much more accurate.

A chart review of coronary artery bypass cases revealed that all of the patients were admitted with unstable symptoms and many of them required emergency surgery. The average age of the patients was 72 years and all had severe, one or more, main vessel disease with vessels occluded 100%, 95% and 90%. More than half of the patients were transferred to Mercy from other hospitals with heart attacks from which there had been alot of heart damage. In addition to the present heart vessel blockage all of the patients were identifed as having a long history of this blockage, and severe multiple co-existing diseases e.g.; hypertension, diabetes, thyroid disease, poor circulation in the neck and extremety vessels, previous heart attacks, and high lipid levels in their blood. 15% of the cases were re-do's, having previously had a coronary bypass graft.

In the HCFA sample there were 5 coronary angioplasty mortalities identified. A chart review of angioplasties revealed that 2 of the 5 patients were emergency cases. This is important to note because if these 2 emergency cases are subtracted from our numbers our rate is then at the national average. The mortality rate for elective and emergency angioplasties is different. In addition, our records show that our elective coronary angioplasty mortality rate is less than 1%, which is below the national average. The coronary angioplasty patients transferred from community hospitals were seriously ill and had multiple co-existing conditions.

Thank you again for the opportunity to comment on this data.

Sincerely,

Sister Kathi Sweeney, R.S.M.

Sister Kathi Sweeney, R.S.M.
Executive Vice President/Chief Operating Officer

cc: Sister Joanne Marie Andiorio, R.S.M., Dr.P.H.
President

MERCY HOSPITAL OF JOHNSTOWN

1020 Franklin St
Johnstown, PA 15905

Medicare Provider Number: 390060

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,353	9.0	9.6	0.9	13.9	14.9	1.4	17.7	18.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	27.0	*	33.3	30.5	*	33.3	33.8	*
Congestive Heart Failure	78	10.3	15.4	5.2	19.2	23.8	7.2	21.8	30.7	8.3
Pneumonia/Influenza	54	27.8	18.1	7.4	31.5	24.3	7.9	38.9	29.0	8.5
Chronic Obstructive Pulmonary Disease	16	0.0	6.2	*	6.3	11.4	*	6.3	16.3	*
Transient Cerebral Ischemia	39	0.0	2.4	*	2.6	5.2	*	2.6	8.1	*
Stroke	58	17.2	20.8	6.3	24.1	27.9	7.0	32.8	32.5	7.0
Hip Fracture	16	12.5	8.3	*	18.8	14.3	*	25.0	18.2	*
Sepsis	16	18.8	25.7	*	18.8	35.0	*	31.3	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.7	*	0.0	5.4	*	0.0	8.0	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	5	0.0	3.8	*	0.0	7.0	*	0.0	9.3	*
Open Reduction of Hip Fracture	7	28.6	9.0	*	42.9	16.1	*	42.9	20.6	*
Prostatectomy	30	6.7	1.2	*	6.7	2.9	*	6.7	4.9	*
Cholecystectomy	28	3.6	3.1	*	7.1	5.3	*	7.1	6.7	*
Hysterectomy	18	0.0	0.5	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 240
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 128
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 118
Licensed Practical Nurses 57

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL OF JOHNSTOWN

Medicare Provider Number: 390060

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,349	9.2	9.7	1.0	14.7	14.9	1.1	18.2	18.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	26	30.8	28.9	*	34.6	31.6	*	38.5	35.0	*
Congestive Heart Failure	83	12.0	17.1	8.2	22.9	26.0	8.4	31.3	33.1	5.9
Pneumonia/Influenza	60	20.0	16.7	10.3	30.0	22.5	10.9	35.0	26.9	10.6
Chronic Obstructive Pulmonary Disease	18	11.1	10.1	*	16.7	17.6	*	22.2	23.9	*
Transient Cerebral Ischemia	39	5.1	2.9	*	10.3	6.3	*	10.3	9.7	*
Stroke	51	25.5	23.3	6.5	31.4	30.2	6.8	31.4	34.8	7.1
Hip Fracture	17	0.0	8.2	*	0.0	14.4	*	0.0	18.2	*
Sepsis	15	26.7	27.2	*	33.3	35.0	*	40.0	42.0	*
PROCEDURES:										
Angioplasty	1	0.0	16.0	*	0.0	21.8	*	100.0	25.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.0	*	0.0	5.8	*	0.0	8.7	*
Carotid Endarterectomy	9	22.2	2.2	*	22.2	4.4	*	33.3	6.4	*
Hip Replacement/Reconstruction	3	0.0	2.5	*	0.0	5.5	*	0.0	8.2	*
Open Reduction of Hip Fracture	12	0.0	8.5	*	0.0	15.2	*	0.0	19.1	*
Prostatectomy	30	3.3	1.9	*	6.7	4.5	*	6.7	7.0	*
Cholecystectomy	23	4.3	2.0	*	4.3	3.5	*	4.3	4.4	*
Hysterectomy	17	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,394	10.7	10.0	0.9	16.0	15.1	1.1	18.7	19.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	28.6	*	34.2	31.7	*	36.8	35.0	*
Congestive Heart Failure	75	9.3	17.7	9.2	20.0	25.4	8.2	28.0	32.2	8.1
Pneumonia/Influenza	53	13.2	18.9	6.8	22.6	25.2	6.8	30.2	30.3	6.4
Chronic Obstructive Pulmonary Disease	24	16.7	10.7	*	20.8	17.4	*	25.0	22.8	*
Transient Cerebral Ischemia	41	2.4	2.2	*	4.9	4.8	*	4.9	7.7	*
Stroke	48	25.0	24.0	*	39.6	31.3	*	41.7	35.9	*
Hip Fracture	18	5.6	9.2	*	5.6	15.4	*	5.6	19.1	*
Sepsis	19	47.4	34.1	*	52.6	42.8	*	52.6	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.1	*	25.0	7.3	*	25.0	10.2	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	3.1	*	0.0	4.9	*
Hip Replacement/Reconstruction	6	0.0	2.2	*	0.0	3.9	*	0.0	5.0	*
Open Reduction of Hip Fracture	14	0.0	8.2	*	0.0	14.8	*	0.0	18.8	*
Prostatectomy	35	0.0	1.3	*	0.0	3.3	*	2.9	5.4	*
Cholecystectomy	34	0.0	2.8	*	8.8	4.5	*	8.8	5.8	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL OF NANTICOKE

128 West Washington Street
Nanticoke, PA 18634

Medicare Provider Number: 390186

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	338	8.9	8.9	1.7	17.2	13.3	2.1	23.1	17.1	2.6
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	27.0	*	11.1	29.4	*	11.1	32.4	*
Congestive Heart Failure	38	13.2	14.9	*	23.7	23.0	*	39.5	29.7	*
Pneumonia/Influenza	12	8.3	16.0	*	25.0	21.7	*	25.0	26.2	*
Chronic Obstructive Pulmonary Disease	9	11.1	4.2	*	11.1	8.2	*	11.1	11.9	*
Transient Cerebral Ischemia	12	0.0	1.4	*	0.0	3.2	*	8.3	5.0	*
Stroke	15	20.0	21.0	*	26.7	26.1	*	40.0	30.1	*
Hip Fracture	11	0.0	4.9	*	9.1	8.9	*	9.1	11.6	*
Sepsis	3	33.3	28.4	*	66.7	33.6	*	66.7	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	6.2	*	0.0	14.3	*	0.0	22.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.9	*	0.0	5.5	*	0.0	7.5	*
Open Reduction of Hip Fracture	4	0.0	6.1	*	25.0	11.1	*	25.0	14.2	*
Prostatectomy	7	0.0	1.1	*	0.0	2.4	*	0.0	3.8	*
Cholecystectomy	7	0.0	4.6	*	14.3	6.6	*	14.3	7.6	*
Hysterectomy	3	0.0	5.6	*	33.3	10.7	*	33.3	14.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 94
Occupancy Rate 43
Ownership/Control ..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL OF NANTICOKE

Medicare Provider Number: 390186

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	518	10.4	9.4	1.7	17.0	14.3	2.3	21.0	18.3	3.0
CONDITIONS:										
Acute Myocardial Infarction	24	20.8	28.0	*	25.0	31.1	*	25.0	34.6	*
Congestive Heart Failure	41	34.1	18.0	*	46.3	27.0	*	48.8	34.2	*
Pneumonia/Influenza	8	0.0	20.1	*	25.0	27.7	*	50.0	33.6	*
Chronic Obstructive Pulmonary Disease	11	0.0	9.6	*	18.2	19.6	*	36.4	27.5	*
Transient Cerebral Ischemia	27	0.0	1.9	*	3.7	4.2	*	3.7	6.7	*
Stroke	20	20.0	22.8	*	30.0	30.1	*	40.0	35.4	*
Hip Fracture	10	10.0	6.4	*	10.0	11.6	*	30.0	15.0	*
Sepsis	4	25.0	32.7	*	50.0	40.8	*	50.0	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	8.0	*	0.0	15.9	*	0.0	21.0	*
Open Reduction of Hip Fracture	3	0.0	4.9	*	0.0	9.7	*	33.3	13.1	*
Prostatectomy	23	0.0	2.4	*	13.0	5.9	*	13.0	9.6	*
Cholecystectomy	16	6.3	4.0	*	18.8	7.5	*	18.8	9.8	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	537	8.6	8.5	1.2	12.7	13.0	1.9	19.6	16.9	2.5
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	27.1	*	28.6	30.1	*	33.3	33.2	*
Congestive Heart Failure	54	20.4	13.7	6.5	25.9	21.2	6.9	35.2	27.7	8.7
Pneumonia/Influenza	18	16.7	17.0	*	22.2	23.6	*	27.8	28.9	*
Chronic Obstructive Pulmonary Disease	12	0.0	7.6	*	16.7	13.4	*	25.0	18.3	*
Transient Cerebral Ischemia	19	5.3	2.1	*	5.3	4.9	*	10.5	7.8	*
Stroke	21	9.5	19.9	*	14.3	25.7	*	19.0	30.3	*
Hip Fracture	8	0.0	6.7	*	0.0	11.6	*	0.0	14.7	*
Sepsis	3	33.3	37.4	*	33.3	44.6	*	33.3	50.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	6.7	*	50.0	15.8	*	50.0	24.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	7.2	*	0.0	12.7	*	0.0	16.1	*
Open Reduction of Hip Fracture	2	0.0	3.6	*	0.0	7.7	*	0.0	10.9	*
Prostatectomy	21	4.8	1.0	*	4.8	2.4	*	4.8	4.1	*
Cholecystectomy	13	7.7	3.1	*	7.7	4.8	*	7.7	5.8	*
Hysterectomy	4	0.0	2.5	*	0.0	5.1	*	0.0	7.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

METHODIST HOSPITAL

2301 S Broad St
Philadelphia, PA 19148

Medicare Provider Number: 390205

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,267	7.6	10.8	0.7	13.5	15.9	0.9	17.2	19.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	17.9	28.7	11.2	20.9	31.4	10.8	22.4	34.7	9.7
Congestive Heart Failure	170	9.4	16.5	4.1	19.4	25.1	4.1	25.9	31.9	4.5
Pneumonia/Influenza	83	9.6	19.0	6.5	19.3	25.4	6.9	21.7	30.1	7.5
Chronic Obstructive Pulmonary Disease	61	3.3	9.3	5.4	14.8	15.6	5.5	16.4	20.9	6.1
Transient Cerebral Ischemia	64	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke	78	14.1	21.0	6.2	24.4	27.8	5.8	32.1	32.3	5.4
Hip Fracture	45	4.4	5.9	*	11.1	10.6	*	11.1	13.9	*
Sepsis	37	40.5	38.0	*	59.5	45.6	*	67.6	51.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.5	*	10.5	8.8	*	10.5	12.7	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	16	0.0	5.1	*	12.5	10.5	*	12.5	15.0	*
Open Reduction of Hip Fracture	31	6.5	5.3	*	12.9	9.8	*	12.9	12.9	*
Prostatectomy	69	2.9	1.4	2.5	7.2	3.5	3.5	8.7	5.7	4.3
Cholecystectomy	44	2.3	2.5	*	4.5	4.2	*	6.8	5.5	*
Hysterectomy	11	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 255
Occupancy Rate 81
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

METHODIST HOSPITAL

Medicare Provider Number: 390205

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,185	8.2	10.5	0.7	13.8	15.6	0.8	18.1	19.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	73	32.9	26.7	8.5	37.0	30.1	8.7	38.4	33.7	7.9
Congestive Heart Failure	150	11.3	18.3	5.5	24.0	27.4	5.0	28.7	34.7	6.0
Pneumonia/Influenza	91	7.7	17.0	5.9	14.3	22.9	5.7	19.8	27.5	5.5
Chronic Obstructive Pulmonary Disease	54	9.3	11.9	6.8	11.1	19.6	8.9	16.7	25.5	10.4
Transient Cerebral Ischemia	56	5.4	1.8	3.5	8.9	4.1	5.6	12.5	6.6	7.7
Stroke	70	21.4	22.1	5.9	31.4	28.5	5.8	40.0	33.0	6.6
Hip Fracture	36	8.3	6.3	*	11.1	11.3	*	13.9	14.5	*
Sepsis	20	40.0	40.2	*	45.0	47.5	*	50.0	53.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.0	*	12.5	7.4	*	12.5	10.3	*
Carotid Endarterectomy	6	16.7	1.7	*	16.7	3.6	*	16.7	5.7	*
Hip Replacement/Reconstruction	19	5.3	3.4	*	5.3	6.4	*	5.3	8.4	*
Open Reduction of Hip Fracture	19	0.0	6.2	*	0.0	11.3	*	0.0	14.5	*
Prostatectomy	79	0.0	1.7	1.9	1.3	4.1	2.9	3.8	6.6	3.7
Cholecystectomy	47	8.5	4.9	*	12.8	8.3	*	17.0	10.4	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,079	7.8	10.6	0.7	14.1	15.8	0.9	17.7	19.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	51	15.7	25.0	8.9	17.6	28.6	9.4	23.5	32.1	9.0
Congestive Heart Failure	157	8.3	16.9	5.0	24.2	25.1	4.5	26.8	31.9	4.2
Pneumonia/Influenza	69	11.6	20.7	6.2	29.0	27.7	6.2	34.8	33.2	6.8
Chronic Obstructive Pulmonary Disease	53	9.4	14.9	6.0	15.1	23.1	8.0	17.0	28.9	9.4
Transient Cerebral Ischemia	76	1.3	1.7	2.0	1.3	3.7	3.0	5.3	5.8	3.1
Stroke	73	17.8	19.9	6.0	24.7	26.5	6.7	26.0	30.9	9.4
Hip Fracture	41	7.3	6.4	*	9.8	11.7	*	14.6	15.1	*
Sepsis	16	37.5	37.4	*	50.0	45.0	*	50.0	51.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	4.9	*	8.3	9.4	*	12.5	13.1	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	18	16.7	5.9	*	22.2	10.8	*	22.2	13.7	*
Open Reduction of Hip Fracture	24	0.0	5.0	*	0.0	9.8	*	8.3	13.2	*
Prostatectomy	52	1.9	2.2	2.3	5.8	4.7	3.9	7.7	7.3	7.1
Cholecystectomy	41	7.3	5.2	*	9.8	9.0	*	14.6	11.2	*
Hysterectomy	11	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Methodist Hospital

2301 South Broad Street
Philadelphia, PA 19148

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Provider No. 390205

Dear Mrs. Kappert:

Methodist Hospital has reviewed the Medicare mortality data for fiscal year 1989 and the two previous years provided by the Health Care Financing Administration. Although the mortality data show Methodist in good light, as part of our comprehensive Quality Assurance Program, our staff will continue to perform ongoing quality reviews which monitor many aspects of patient care. Quality has always been our priority, and indepth quality review is key to maintaining the Methodist standard. We encourage patients who have questions about quality to discuss them with their physicians.

Methodist has some reservations, however, about how the mortality information is presented as it can lead to inaccurate conclusions. The statistical information can be particularly confusing for readers. For example, although Methodist's observed mortality rate appears to be above the predicted rates in some areas, when the statistical meaning of standard deviation is explained, these figures are found to be within the range of mortality rates that could be expected. In the case of Prostatectomy, for example, in FY 1989 Methodist Hospital's observed mortality rate was greater than the predicted rate at all three time intervals following admission. However, when the standard deviation is used to develop a predicted range of mortality, the range at the 30 day time period following admission would be 0.0 - 6.45 at the 95% confidence level. Methodist's observed mortality of 2.9 falls well within this range. In fact, Methodist's observed mortality for Prostatectomy at all time periods following admission falls within the predicted ranges at confidence levels of 75%, 95% and 99%.

In addition, for those categories where the number of cases is small, an asterik (*) indicates that a standard deviation cannot be estimated. Again, inappropriate conclusions may result from the comparison of observed to predicted rates. In certain categories in the three years presented, Methodist has an observed mortality greater than that predicted, but the volume of cases is so small, that any comparisons are insignificant.

Nevertheless, while the presentation format of this data may result in inappropriate conclusions, Methodist acknowledges that in conjunction with our internal quality review process, the mortality information can be useful in suggesting areas where more detailed review might be indicated. In categories where the observed mortality rate was higher than predicted, Methodist has reviewed all cases. Many patients were elderly with complicating comorbid diseases and varying social backgrounds; our review determined that all care rendered was appropriate.

It is important to note, as the Federal Administration has acknowledged, that mortality rates, by themselves, should not be used to make judgements about the quality of care at a particular hospital or in making comparisons among hospitals. Furthermore, while HCFA has continued to make refinements in its methodology for determing predicted mortality rates, some important factors still have not been considered. They include how severely ill patients are at the time of admission and differences in their social and economic backgrounds which can complicate their diseases.

Methodist staff believe that a patient should have full confidence in his of her doctor and hospital, and that such confidence can contribute to a quicker and more complete recovery from illness. Further, we agree that the public should have access to more valid information about the quality of care. We encourage all our patients and their families to raise concerns and to ask questions of their physicians and hospital staff.

Thank you for the opportunity to comment on this data.

Sincerely yours,

Kevin R. Hannifan
Chief Executive Officer

KRH/md

METRO HEALTH CENTER

252 Eleventh St
Erie, PA 16501

Medicare Provider Number: 390193

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	764	6.0	7.8	1.6	10.1	12.0	1.8	13.7	15.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	12	0.0	25.1	*	8.3	28.7	*	8.3	32.2	*
Congestive Heart Failure	47	12.8	15.4	*	25.5	24.2	*	36.2	31.3	*
Pneumonia/Influenza	43	14.0	16.2	*	14.0	22.1	*	18.6	26.9	*
Chronic Obstructive Pulmonary Disease	8	12.5	7.0	*	12.5	13.5	*	12.5	19.6	*
Transient Cerebral Ischemia	15	0.0	1.6	*	6.7	3.9	*	6.7	6.5	*
Stroke	20	30.0	19.2	*	35.0	25.1	*	40.0	29.2	*
Hip Fracture	13	0.0	6.8	*	7.7	12.4	*	7.7	16.3	*
Sepsis	7	0.0	28.1	*	0.0	37.1	*	0.0	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	6.2	*	10.0	10.5	*	20.0	14.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.3	*	10.0	9.3	*	10.0	11.9	*
Open Reduction of Hip Fracture	8	0.0	6.2	*	12.5	12.0	*	12.5	16.2	*
Prostatectomy	10	0.0	1.4	*	0.0	3.3	*	0.0	5.2	*
Cholecystectomy	16	0.0	2.6	*	0.0	4.3	*	0.0	5.3	*
Hysterectomy	9	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	112
Occupancy Rate	51
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	81
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	3
Registered Nurses	52
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

METRO HEALTH CENTER

Medicare Provider Number: 390193

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	756	7.9	7.6	1.1	13.9	11.8	2.1	16.5	15.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	23.7	*	35.7	26.1	*	35.7	29.0	*
Congestive Heart Failure	37	16.2	16.9	*	37.8	25.9	*	43.2	33.0	*
Pneumonia/Influenza	41	9.8	15.3	*	17.1	21.0	*	24.4	25.6	*
Chronic Obstructive Pulmonary Disease	8	12.5	5.6	*	12.5	9.9	*	12.5	14.1	*
Transient Cerebral Ischemia	11	0.0	2.0	*	9.1	4.8	*	9.1	8.2	*
Stroke	31	16.1	17.9	*	22.6	24.3	*	22.6	28.7	*
Hip Fracture	10	10.0	6.9	*	10.0	12.3	*	30.0	15.8	*
Sepsis	6	16.7	23.1	*	16.7	30.7	*	16.7	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	36.4	10.3	*	36.4	13.7	*	45.5	16.8	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	11	0.0	3.7	*	0.0	6.8	*	9.1	8.8	*
Open Reduction of Hip Fracture	3	0.0	5.8	*	0.0	10.7	*	0.0	14.0	*
Prostatectomy	15	6.7	1.0	*	6.7	2.3	*	13.3	3.8	*
Cholecystectomy	9	0.0	2.1	*	0.0	3.6	*	0.0	4.6	*
Hysterectomy	6	0.0	0.2	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	781	6.0	7.2	1.2	10.4	11.4	1.3	13.6	14.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	30.6	*	25.0	33.8	*	25.0	37.3	*
Congestive Heart Failure	38	21.1	15.6	*	23.7	23.4	*	31.6	30.0	*
Pneumonia/Influenza	41	7.3	14.4	*	12.2	19.3	*	17.1	23.7	*
Chronic Obstructive Pulmonary Disease	12	8.3	4.8	*	16.7	8.6	*	16.7	11.8	*
Transient Cerebral Ischemia	21	4.8	1.8	*	4.8	4.0	*	9.5	6.4	*
Stroke	27	18.5	23.1	*	29.6	31.1	*	29.6	36.0	*
Hip Fracture	10	0.0	7.8	*	0.0	14.2	*	10.0	18.4	*
Sepsis	5	40.0	26.6	*	40.0	37.4	*	40.0	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.2	*	0.0	6.7	*	0.0	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	2.6	*	0.0	5.1	*	0.0	6.7	*
Open Reduction of Hip Fracture	6	0.0	6.9	*	0.0	13.3	*	16.7	17.5	*
Prostatectomy	14	7.1	1.0	*	14.3	2.4	*	14.3	4.0	*
Cholecystectomy	15	0.0	2.7	*	6.7	5.2	*	6.7	6.9	*
Hysterectomy	2	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

METROPOLITAN HOSPITAL

201 North Eighth St
Philadelphia, PA 19106

Medicare Provider Number: 390059

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	934	15.8	9.7	1.2	24.8	15.7	1.4	31.0	20.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	24.5	*	22.2	27.1	*	22.2	30.2	*
Congestive Heart Failure	55	14.5	12.5	5.9	25.5	20.6	6.9	27.3	27.4	6.3
Pneumonia/Influenza	43	32.6	19.0	*	46.5	26.0	*	51.2	31.3	*
Chronic Obstructive Pulmonary Disease	10	0.0	7.2	*	10.0	12.7	*	10.0	17.4	*
Transient Cerebral Ischemia	5	0.0	1.0	*	0.0	2.2	*	0.0	3.5	*
Stroke	23	34.8	14.3	*	34.8	21.1	*	39.1	25.2	*
Hip Fracture	10	10.0	7.0	*	10.0	12.9	*	10.0	17.1	*
Sepsis	19	21.1	22.6	*	47.4	32.1	*	63.2	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	6.0	*	0.0	14.0	*	0.0	22.0	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.7	*	100.0	5.2	*
Hip Replacement/Reconstruction	5	0.0	1.5	*	0.0	3.1	*	0.0	4.6	*
Open Reduction of Hip Fracture	6	16.7	6.9	*	16.7	13.1	*	16.7	17.3	*
Prostatectomy	19	5.3	1.2	*	5.3	2.9	*	15.8	5.0	*
Cholecystectomy	3	0.0	1.7	*	0.0	2.8	*	0.0	3.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	156
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	113
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	30
Registered Nurses	165
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

METROPOLITAN HOSPITAL

Medicare Provider Number: 390059

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,106	16.6	9.9	1.6	24.5	16.0	1.3	30.4	20.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	6	16.7	27.4	*	16.7	30.7	*	33.3	34.3	*
Congestive Heart Failure	88	12.5	13.6	5.3	22.7	21.3	6.1	28.4	27.8	5.4
Pneumonia/Influenza	43	34.9	18.0	*	48.8	24.6	*	51.2	29.6	*
Chronic Obstructive Pulmonary Disease	17	11.8	8.3	*	11.8	13.6	*	11.8	18.0	*
Transient Cerebral Ischemia	9	0.0	1.2	*	0.0	2.4	*	11.1	3.7	*
Stroke	33	18.2	15.3	*	21.2	22.0	*	36.4	26.6	*
Hip Fracture	15	13.3	6.2	*	20.0	11.6	*	26.7	15.3	*
Sepsis	17	41.2	26.2	*	52.9	36.2	*	64.7	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	6.3	*	0.0	12.1	*	0.0	17.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	2.0	*	0.0	4.2	*	0.0	6.0	*
Open Reduction of Hip Fracture	7	28.6	6.6	*	28.6	12.8	*	42.9	16.8	*
Prostatectomy	19	5.3	2.5	*	10.5	5.9	*	10.5	9.2	*
Cholecystectomy	10	20.0	3.8	*	40.0	7.2	*	40.0	9.6	*
Hysterectomy	2	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,217	11.9	9.4	0.9	20.6	14.9	1.4	25.9	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	28.0	*	33.3	32.4	*	33.3	36.3	*
Congestive Heart Failure	64	10.9	13.7	5.1	23.4	21.6	6.1	28.1	28.1	5.8
Pneumonia/Influenza	41	17.1	14.5	*	29.3	19.6	*	31.7	24.0	*
Chronic Obstructive Pulmonary Disease	13	0.0	5.4	*	0.0	10.0	*	7.7	13.9	*
Transient Cerebral Ischemia	21	0.0	2.0	*	0.0	4.2	*	9.5	6.7	*
Stroke	37	24.3	17.9	*	29.7	24.5	*	40.5	29.2	*
Hip Fracture	15	6.7	5.6	*	13.3	10.4	*	20.0	13.7	*
Sepsis	31	35.5	30.1	*	51.6	39.8	*	58.1	47.0	*
PROCEDURES:										
Angioplasty	1	0.0	5.6	*	0.0	8.1	*	100.0	9.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.7	*	22.2	10.5	*	33.3	15.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	6.0	*	25.0	8.4	*	25.0	10.4	*
Open Reduction of Hip Fracture	11	0.0	4.5	*	0.0	8.9	*	9.1	12.0	*
Prostatectomy	24	0.0	0.9	*	0.0	2.3	*	0.0	4.0	*
Cholecystectomy	8	12.5	2.0	*	12.5	3.7	*	12.5	4.8	*
Hysterectomy	5	0.0	2.3	*	0.0	5.2	*	0.0	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

METROPOLITAN HOSPITAL-PARKVIEW

1331 E Wyoming Ave
Philadelphia, PA 19124

Medicare Provider Number: 390234

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,409	12.8	10.5	1.0	19.9	15.8	1.4	24.4	19.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	40	27.5	29.5	*	27.5	32.6	*	32.5	35.7	*
Congestive Heart Failure	86	11.6	14.4	4.1	15.1	22.5	5.9	24.4	29.2	5.6
Pneumonia/Influenza	41	26.8	16.7	*	31.7	23.2	*	34.1	27.9	*
Chronic Obstructive Pulmonary Disease	27	7.4	5.4	*	18.5	10.0	*	22.2	14.1	*
Transient Cerebral Ischemia	38	2.6	1.5	*	5.3	3.4	*	5.3	5.4	*
Stroke	67	13.4	20.9	6.2	25.4	27.0	5.8	28.4	31.4	6.1
Hip Fracture	19	15.8	7.0	*	36.8	12.3	*	36.8	15.8	*
Sepsis	25	36.0	24.5	*	52.0	33.0	*	56.0	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	6.5	*	12.5	12.5	*	25.0	17.4	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	5	0.0	4.6	*	0.0	8.2	*	0.0	10.4	*
Open Reduction of Hip Fracture	16	18.8	5.9	*	43.8	11.0	*	43.8	14.3	*
Prostatectomy	53	1.9	1.3	1.6	3.8	3.2	2.8	7.5	5.4	4.5
Cholecystectomy	20	20.0	6.7	*	25.0	11.2	*	40.0	13.3	*
Hysterectomy	3	0.0	7.7	*	0.0	10.1	*	0.0	11.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 214
Occupancy Rate 74
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 395
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 34
Registered Nurses 179
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

METROPOLITAN HOSPITAL-PARKVIEW

Medicare Provider Number: 390234

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,654	12.7	10.0	1.0	19.4	15.3	1.5	23.3	19.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	48	43.8	28.7	*	47.9	31.7	*	47.9	35.0	*
Congestive Heart Failure	111	10.8	15.9	4.5	22.5	24.1	4.4	32.4	30.8	4.7
Pneumonia/Influenza	47	25.5	15.5	*	38.3	21.0	*	42.6	25.4	*
Chronic Obstructive Pulmonary Disease	30	3.3	4.0	*	10.0	8.5	*	23.3	12.5	*
Transient Cerebral Ischemia	36	2.8	2.2	*	5.6	4.8	*	5.6	7.4	*
Stroke	73	16.4	19.1	8.7	20.5	25.5	8.9	24.7	30.0	10.5
Hip Fracture	29	3.4	6.7	*	10.3	12.4	*	13.8	16.1	*
Sepsis	41	29.3	24.3	*	48.8	33.2	*	48.8	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	7.3	*	15.4	12.1	*	15.4	15.8	*
Carotid Endarterectomy	5	0.0	1.3	*	20.0	2.2	*	20.0	3.2	*
Hip Replacement/Reconstruction	12	8.3	5.0	*	16.7	9.2	*	16.7	11.6	*
Open Reduction of Hip Fracture	20	0.0	5.5	*	5.0	10.8	*	5.0	14.6	*
Prostatectomy	54	1.9	1.2	1.6	3.7	2.8	2.5	5.6	4.5	3.5
Cholecystectomy	20	0.0	3.8	*	5.0	6.5	*	15.0	8.0	*
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,568	11.8	10.6	0.9	18.2	15.9	1.2	22.5	20.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	52	28.8	28.4	7.2	36.5	31.4	7.8	38.5	34.7	9.7
Congestive Heart Failure	98	13.3	15.5	5.7	22.4	23.5	4.6	27.6	30.4	6.3
Pneumonia/Influenza	64	18.8	14.9	4.9	29.7	20.4	7.6	39.1	24.8	8.4
Chronic Obstructive Pulmonary Disease	51	11.8	9.8	4.6	19.6	16.1	6.2	21.6	20.9	5.7
Transient Cerebral Ischemia	40	0.0	2.0	*	7.5	4.2	*	12.5	6.6	*
Stroke	80	18.7	23.5	6.5	26.2	30.3	6.1	28.7	35.0	7.4
Hip Fracture	28	10.7	8.0	*	10.7	14.1	*	17.9	17.8	*
Sepsis	28	50.0	26.6	*	71.4	35.4	*	71.4	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	4.7	*	20.0	8.0	*	20.0	10.9	*
Carotid Endarterectomy	2	50.0	3.8	*	50.0	7.8	*	100.0	11.3	*
Hip Replacement/Reconstruction	8	0.0	5.2	*	0.0	9.1	*	0.0	11.6	*
Open Reduction of Hip Fracture	15	13.3	6.6	*	13.3	12.4	*	26.7	16.0	*
Prostatectomy	69	0.0	0.9	1.4	1.4	2.3	2.2	1.4	3.8	3.1
Cholecystectomy	17	5.9	3.5	*	17.6	5.8	*	17.6	7.1	*
Hysterectomy	3	0.0	1.4	*	0.0	3.3	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

261.1

Hospital of Philadelphia College
of Osteopathic Medicine - Parkview
1331 E. Wyoming Avenue, Philadelphia, PA 19124

(215) 537-7400
Fax (215) 537-7680

Medicare Provider #: 390234

January 10, 1991

Osteopathic

Health Care Financing Administration
Health Standards & Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The Hospital of Philadelphia College of Osteopathic Medicine - Parkview (formerly Metropolitan Hospital - Parkview Division) would like to comment regarding the HCFA mortality rates for fiscal year 1989 as follows:

In reviewing the Medicare hospital mortality information for fiscal year 1989 it is noted that this hospital had an observed mortality which was significantly increased over the predicted values (standard deviation greater than 1.0) in only one specific category, that being the procedural category of "prostatectomy". The observed mortality of 1.9% of 53 cases in this category translates into one death. A detailed review of this mortality reveals that the patient was an 88-year-old gentleman who had complicated medical problems including coal miner's pneumoconiosis and related cardiomyopathy. As an outpatient, a Foley catheter had caused numerous complications including testicular pain, catheter clotting, and recurrent bladder infections. Due to the dangers of possible endocarditis, it was decided that transurethral prostatectomy should be undertaken so that the catheter could be permanently removed. The pros and cons of this procedure as well as the risks of surgery to the patient were explained in detail to both the patient and his family. It should be noted that the patient's death occurred 14 days after the operative procedure and was due to his longstanding pulmonary and cardiac disease and not directly related to the surgical procedure. It is therefore, our opinion that this death was not preventable and that its classification under the procedure of prostatectomy is misleading in its relationship to the actual cause of the patient's demise.

We would like to comment on two other areas that, although not highlighted as being significant according to the methodology of "standard deviation", do have raw percentages which are significantly higher than predicted levels. The first of these is in the condition of hip fracture and procedure of open reduction of hip fractures which identify three Medicare mortalities during fiscal year 1989.

A review of these three mortalities show that in actuality only one patient died while hospitalized. This patient was an 89-year-old male who had medical complications of diabetes, chronic obstructive pulmonary disease, and cardiovascular disease. The patient developed his hip fracture after a fall at the nursing home in which he resided. Following the operative procedure, the patient developed a postoperative wound infection which is a common complication of patients with diabetes. His recovery was further complicated by his cardiac disease as well as his longstanding obstructive pulmonary pathology. He progressed into acute renal failure and died six weeks following the operation. Although a complicating factor in the patient's devolutionary course, the operation in itself was not the cause of his death.

The other two mortalities cited in this category died following discharge from the hospital and we are unable to ascertain the actual cause of death and whether or not it was directly related to their hospitalization.

The second area of concern is in the procedural classification of "cholecystectomy". A 20% observed mortality reflects four Medicare deaths. A review of these four deaths indicates that in one case the procedure of cholecystectomy was a secondary procedure in a patient who had a perforated peptic ulcer. During surgical repair of the ulcer, a diseased gallbladder was also removed. In the other three cases, all three patients were admitted in a septic condition with a gallbladder which had perforated and/or ruptured prior to their admission to the hospital. All three cases had a generalized peritonitis with various abscess formation in their abdominal cavity. All three cases had admission protein levels significantly below normal levels which impeded recovery and healing. It is clear from a review of these patients charts that they were not merely healthy patients who had their diseased gallbladders removed, but were patients who had multiple severe medical problems which are not truly reflected in simple statistics which state single conditions or single procedures.

As a closing comment, this hospital would like to point out that a continual monthly review of all mortalities is completed by a physician committee of our professional staff. This review assesses overall patient care and medical management in an effort to assure that a high level of quality is provided to every patient, those who die, as well as those who leave the hospital in a significantly improved condition.

Sincerely,

Richard A. Anderson, D.O.
Medical Director/D.M.E.

cc: Mr. Timothy Churchill, C.E.O.

MEYERSDALE COMMUNITY HOSPITAL

200 Hospital Dr
Meyersdale, PA 15552

Medicare Provider Number: 390015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	246	15.9	11.1	2.9	19.9	16.5	3.2	24.4	20.8	3.0
CONDITIONS:										
Acute Myocardial Infarction	16	37.5	27.9	*	37.5	31.4	*	37.5	35.2	*
Congestive Heart Failure	18	16.7	12.8	*	33.3	20.2	*	33.3	26.6	*
Pneumonia/Influenza	19	15.8	18.9	*	21.1	25.8	*	31.6	31.4	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	5.4	*	0.0	12.8	*	0.0	19.2	*
Stroke	8	12.5	18.6	*	12.5	24.1	*	12.5	28.4	*
Hip Fracture	4	0.0	4.6	*	0.0	8.3	*	0.0	10.8	*
Sepsis	4	25.0	29.7	*	25.0	39.8	*	25.0	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.0	*	0.0	7.7	*	0.0	10.1	*
Open Reduction of Hip Fracture	1	0.0	2.7	*	0.0	5.3	*	0.0	7.4	*
Prostatectomy	0									
Cholecystectomy	8	0.0	1.4	*	0.0	2.3	*	0.0	2.9	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 43
Occupancy Rate 30
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEYERSDALE COMMUNITY HOSPITAL

Medicare Provider Number: 390015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	293	14.7	11.2	2.8	22.9	16.4	4.3	24.6	20.4	3.5
CONDITIONS:										
Acute Myocardial Infarction	14	42.9	20.9	*	42.9	24.4	*	42.9	27.9	*
Congestive Heart Failure	20	25.0	17.6	*	35.0	26.8	*	40.0	33.9	*
Pneumonia/Influenza	20	40.0	19.2	*	45.0	26.3	*	50.0	31.7	*
Chronic Obstructive Pulmonary Disease	1	100.0	10.7	*	100.0	16.1	*	100.0	20.9	*
Transient Cerebral Ischemia	5	0.0	2.5	*	0.0	5.3	*	0.0	8.3	*
Stroke	14	7.1	18.9	*	7.1	25.1	*	7.1	29.7	*
Hip Fracture	11	18.2	7.1	*	27.3	13.3	*	27.3	17.6	*
Sepsis	5	0.0	35.8	*	60.0	41.7	*	60.0	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	33.0	*	100.0	38.6	*	100.0	42.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	2.6	*	0.0	4.8	*	0.0	6.3	*
Open Reduction of Hip Fracture	6	33.3	6.6	*	33.3	12.6	*	33.3	16.8	*
Prostatectomy	0									
Cholecystectomy	5	0.0	1.0	*	0.0	1.8	*	0.0	2.3	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	333	16.5	12.7	2.6	21.6	18.3	2.8	24.9	22.7	2.8
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	34.1	*	54.5	37.8	*	54.5	41.5	*
Congestive Heart Failure	23	21.7	19.7	*	26.1	27.6	*	26.1	34.6	*
Pneumonia/Influenza	31	25.8	21.5	*	38.7	28.7	*	41.9	34.4	*
Chronic Obstructive Pulmonary Disease	6	0.0	9.2	*	16.7	14.4	*	16.7	19.7	*
Transient Cerebral Ischemia	10	0.0	1.7	*	0.0	4.0	*	0.0	6.4	*
Stroke	15	33.3	19.1	*	33.3	25.6	*	33.3	30.5	*
Hip Fracture	6	0.0	5.6	*	0.0	10.1	*	0.0	13.1	*
Sepsis	1	0.0	32.6	*	0.0	38.7	*	0.0	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	6.4	*	0.0	11.9	*	0.0	15.3	*
Open Reduction of Hip Fracture	3	0.0	4.4	*	0.0	8.5	*	0.0	11.2	*
Prostatectomy	0									
Cholecystectomy	5	20.0	1.9	*	20.0	3.9	*	20.0	5.3	*
Hysterectomy	2	0.0	5.0	*	50.0	10.9	*	100.0	16.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MID VALLEY HOSPITAL ASSOCIATION

1400 Main St
Peckville, PA 18452

Medicare Provider Number: 390109

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	532	8.5	9.8	1.7	15.0	14.4	1.8	17.3	18.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	38	31.6	27.4	*	34.2	29.9	*	36.8	33.0	*
Congestive Heart Failure	27	7.4	11.6	*	18.5	18.8	*	18.5	25.4	*
Pneumonia/Influenza	12	0.0	12.9	*	8.3	17.5	*	8.3	21.5	*
Chronic Obstructive Pulmonary Disease	3	0.0	8.6	*	33.3	14.1	*	33.3	18.9	*
Transient Cerebral Ischemia	20	0.0	1.8	*	0.0	3.9	*	0.0	6.2	*
Stroke	36	11.1	17.3	*	16.7	23.6	*	22.2	27.7	*
Hip Fracture	7	0.0	6.6	*	0.0	11.7	*	14.3	15.1	*
Sepsis	6	0.0	21.1	*	16.7	27.1	*	16.7	31.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	24.6	*	0.0	35.8	*	0.0	40.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.1	*	0.0	8.3	*	0.0	11.3	*
Open Reduction of Hip Fracture	5	0.0	6.2	*	0.0	11.6	*	20.0	15.1	*
Prostatectomy	27	0.0	0.5	*	7.4	1.1	*	11.1	1.9	*
Cholecystectomy	12	0.0	4.3	*	0.0	6.8	*	0.0	8.2	*
Hysterectomy	4	0.0	1.9	*	0.0	3.6	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	66
Occupancy Rate	41
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	53
Percent of Physicians Board Certified Specialists	40
Medical Residents/Interns	0
Registered Nurses	26
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MID VALLEY HOSPITAL ASSOCIATION

Medicare Provider Number: 390109

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	561	8.4	10.1	1.8	12.7	14.7	2.1	16.0	18.3	2.6
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	28.3	*	32.0	32.2	*	32.0	35.8	*
Congestive Heart Failure	33	6.1	10.9	*	12.1	17.5	*	15.2	24.0	*
Pneumonia/Influenza	12	8.3	17.7	*	25.0	23.4	*	25.0	28.1	*
Chronic Obstructive Pulmonary Disease	4	0.0	2.5	*	0.0	4.6	*	0.0	6.6	*
Transient Cerebral Ischemia	17	0.0	2.1	*	5.9	4.6	*	5.9	7.2	*
Stroke	25	8.0	21.5	*	20.0	28.0	*	28.0	32.3	*
Hip Fracture	10	20.0	7.3	*	20.0	13.1	*	30.0	16.7	*
Sepsis	16	12.5	25.1	*	25.0	34.3	*	31.3	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.5	*	0.0	5.6	*	0.0	8.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.5	*	0.0	9.1	*	0.0	12.4	*
Open Reduction of Hip Fracture	7	28.6	6.7	*	28.6	12.5	*	42.9	16.2	*
Prostatectomy	16	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	27	3.7	4.6	*	7.4	8.1	*	11.1	10.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	512	10.9	9.7	1.6	13.5	14.0	1.6	16.2	17.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	27	33.3	27.3	*	37.0	30.9	*	44.4	34.6	*
Congestive Heart Failure	25	20.0	16.8	*	24.0	25.7	*	32.0	33.2	*
Pneumonia/Influenza	7	0.0	12.9	*	0.0	17.4	*	0.0	21.2	*
Chronic Obstructive Pulmonary Disease	3	33.3	17.1	*	33.3	26.4	*	33.3	33.0	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	25	16.0	21.4	*	16.0	28.1	*	20.0	32.7	*
Hip Fracture	7	0.0	5.9	*	14.3	11.7	*	14.3	15.9	*
Sepsis	11	18.2	22.8	*	27.3	29.9	*	27.3	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	3.7	*	33.3	6.5	*	33.3	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.7	*	0.0	9.7	*	0.0	13.8	*
Open Reduction of Hip Fracture	3	0.0	6.1	*	33.3	12.6	*	33.3	17.3	*
Prostatectomy	7	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*
Cholecystectomy	34	2.9	3.5	*	5.9	5.7	*	5.9	7.2	*
Hysterectomy	1	0.0	0.4	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MILLCREEK COMMUNITY HOSPITAL

5515 Peach St
Erie, PA 16509

Medicare Provider Number: 390198

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	764	10.6	8.5	1.5	16.1	13.0	1.9	19.6	16.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	23.9	*	31.6	27.0	*	31.6	30.4	*
Congestive Heart Failure	68	11.8	14.1	4.6	23.5	21.7	5.2	27.9	28.4	5.5
Pneumonia/Influenza	34	8.8	10.9	*	11.8	15.3	*	14.7	18.9	*
Chronic Obstructive Pulmonary Disease	12	0.0	9.6	*	16.7	16.2	*	25.0	21.4	*
Transient Cerebral Ischemia	21	0.0	1.8	*	0.0	4.0	*	0.0	6.3	*
Stroke	16	31.3	22.5	*	43.8	29.4	*	43.8	34.0	*
Hip Fracture	3	33.3	5.4	*	33.3	9.4	*	33.3	11.9	*
Sepsis	6	50.0	31.6	*	66.7	41.0	*	66.7	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.1	*	0.0	3.2	*
Hip Replacement/Reconstruction	7	14.3	3.8	*	14.3	7.9	*	14.3	11.3	*
Open Reduction of Hip Fracture	2	0.0	2.9	*	0.0	5.5	*	0.0	7.3	*
Prostatectomy	24	0.0	1.3	*	8.3	3.1	*	8.3	5.1	*
Cholecystectomy	11	0.0	3.1	*	0.0	5.5	*	0.0	7.4	*
Hysterectomy	7	14.3	1.7	*	14.3	3.8	*	14.3	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 101
Occupancy Rate 50
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 51
Percent of Physicians Board Certified Specialists 57
Medical Residents/Interns 18
Registered Nurses 46
Licensed Practical Nurses 19

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MILLCREEK COMMUNITY HOSPITAL

Medicare Provider Number: 390198

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	799	8.3	8.2	1.7	13.9	12.9	1.7	18.0	16.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	31.5	*	14.3	34.2	*	28.6	37.6	*
Congestive Heart Failure	49	14.3	15.0	*	16.3	22.7	*	24.5	29.3	*
Pneumonia/Influenza	47	14.9	15.4	*	17.0	21.3	*	21.3	25.7	*
Chronic Obstructive Pulmonary Disease	11	0.0	7.8	*	18.2	13.2	*	27.3	17.8	*
Transient Cerebral Ischemia	17	0.0	2.0	*	0.0	4.2	*	0.0	6.7	*
Stroke	21	9.5	14.9	*	9.5	21.0	*	14.3	25.2	*
Hip Fracture	10	10.0	7.1	*	20.0	13.0	*	20.0	16.9	*
Sepsis	5	40.0	33.5	*	80.0	43.5	*	80.0	49.6	*
PROCEDURES:										
Angioplasty	1	0.0	1.3	*	0.0	3.0	*	0.0	4.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.6	*	0.0	5.7	*	16.7	8.8	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	7	0.0	3.5	*	0.0	6.3	*	0.0	8.1	*
Open Reduction of Hip Fracture	5	0.0	5.8	*	20.0	11.1	*	20.0	14.8	*
Prostatectomy	14	0.0	0.5	*	7.1	1.3	*	7.1	2.1	*
Cholecystectomy	9	11.1	3.8	*	22.2	7.7	*	22.2	10.3	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	700	9.1	7.9	1.1	12.3	12.5	1.3	15.3	16.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	19.6	*	20.0	23.1	*	20.0	26.5	*
Congestive Heart Failure	41	12.2	16.1	*	24.4	24.7	*	26.8	31.9	*
Pneumonia/Influenza	48	8.3	14.3	*	12.5	19.8	*	16.7	24.2	*
Chronic Obstructive Pulmonary Disease	9	22.2	13.3	*	22.2	19.1	*	33.3	23.6	*
Transient Cerebral Ischemia	14	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	19	26.3	18.0	*	26.3	24.6	*	26.3	28.8	*
Hip Fracture	15	13.3	7.1	*	13.3	12.5	*	20.0	15.9	*
Sepsis	1	100.0	64.6	*	100.0	72.9	*	100.0	80.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.3	*	0.0	6.5	*	20.0	9.2	*
Carotid Endarterectomy	2	50.0	1.2	*	50.0	2.5	*	50.0	3.6	*
Hip Replacement/Reconstruction	6	16.7	1.9	*	16.7	3.6	*	16.7	4.8	*
Open Reduction of Hip Fracture	9	11.1	8.2	*	11.1	15.1	*	22.2	19.4	*
Prostatectomy	29	3.4	0.9	*	3.4	2.2	*	6.9	3.8	*
Cholecystectomy	10	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*
Hysterectomy	1	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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5515 Peach Street · Erie, PA 16509 · 814/864-4031

Millcreek
Community
Hospital

Medicare Provider # 390198

January 11, 1991

HCFA
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Sandra Kappart:

In reviewing the mortality data, it is noted that many categories have too few number of cases to derive statistically significant information. The information to be published should have included a range (low to high) for the predicted mortality rate. This would have allowed for a clearer and more accurate picture to be attained by the public after reviewing the information.

In the category "congestive heart failure", where the number of cases were 68, there was an observed rate of 11.8%, a predicted rate of 14.1% with a standard deviation of 4.6%. It is felt this calculation meets a satisfactory observed percentage rate when computed to the predicted and standard deviation mortality rates, which in this category varied from a low of 4.9% to a high of 23.8%.

Addressing the category "all causes", again, the observed rate of 10.6% is acceptable when compared to the predicted mortality rate of 5.5% to 11.5%.

Our commitment to quality patient care continues to be our primary focus. In our facility all deaths are reviewed by the Quality Assurance Committee. The HCFA mortality data will be used by that committee as an added tool in carrying out this important work at our institution.

Sincerely,

John M. Ferretti, D.O.
CEO/Medical Director

cc: Hospital file

lmb

MINERS HOSPITAL OF NORTH CAMBRIA

Crawford & First
Spangler, PA 15775

Medicare Provider Number: 390130

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	785	10.3	9.2	1.9	15.2	13.8	2.4	18.1	17.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	32.6	*	42.9	36.4	*	47.6	40.0	*
Congestive Heart Failure	39	25.6	15.2	*	30.8	23.1	*	38.5	29.7	*
Pneumonia/Influenza	51	15.7	18.3	6.3	19.6	24.8	9.8	21.6	29.8	11.9
Chronic Obstructive Pulmonary Disease	16	12.5	9.9	*	18.8	15.7	*	25.0	20.5	*
Transient Cerebral Ischemia	20	0.0	1.8	*	10.0	3.9	*	10.0	6.1	*
Stroke	33	36.4	20.5	*	39.4	27.3	*	45.5	31.9	*
Hip Fracture	17	0.0	7.0	*	5.9	11.7	*	11.8	14.7	*
Sepsis	6	33.3	34.7	*	33.3	41.1	*	33.3	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	15.9	*	50.0	21.7	*	50.0	26.5	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*
Hip Replacement/Reconstruction	6	0.0	3.7	*	16.7	7.2	*	16.7	10.0	*
Open Reduction of Hip Fracture	11	0.0	6.6	*	0.0	11.5	*	9.1	14.5	*
Prostatectomy	10	0.0	1.5	*	0.0	3.7	*	0.0	5.9	*
Cholecystectomy	16	12.5	2.7	*	25.0	5.0	*	25.0	6.7	*
Hysterectomy	1	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	61
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	59
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MINERS HOSPITAL OF NORTH CAMBRIA

Medicare Provider Number: 390130

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	724	8.0	9.5	1.5	11.7	14.2	2.0	15.2	18.0	2.3
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	28.5	*	25.0	32.1	*	27.8	35.9	*
Congestive Heart Failure	43	30.2	16.0	*	34.9	24.3	*	39.5	31.3	*
Pneumonia/Influenza	35	2.9	15.9	*	11.4	21.8	*	17.1	26.2	*
Chronic Obstructive Pulmonary Disease	12	16.7	10.7	*	16.7	17.0	*	33.3	22.5	*
Transient Cerebral Ischemia	33	6.1	2.0	*	6.1	4.4	*	6.1	7.0	*
Stroke	23	4.3	22.3	*	13.0	28.2	*	13.0	33.0	*
Hip Fracture	3	33.3	7.2	*	33.3	12.5	*	33.3	15.7	*
Sepsis	9	11.1	26.0	*	33.3	32.6	*	44.4	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	66.7	24.2	*	66.7	30.7	*	66.7	36.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.4	*	0.0	6.3	*	0.0	8.3	*
Open Reduction of Hip Fracture	1	0.0	5.5	*	0.0	10.6	*	0.0	14.1	*
Prostatectomy	8	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*
Cholecystectomy	14	14.3	5.3	*	14.3	9.1	*	14.3	11.2	*
Hysterectomy	3	0.0	1.0	*	0.0	2.6	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	639	10.5	10.9	1.6	15.0	15.7	2.3	17.7	19.7	2.8
CONDITIONS:										
Acute Myocardial Infarction	36	33.3	31.9	*	36.1	35.4	*	36.1	38.9	*
Congestive Heart Failure	46	17.4	16.5	*	26.1	24.5	*	32.6	31.3	*
Pneumonia/Influenza	31	9.7	18.6	*	12.9	24.8	*	12.9	29.8	*
Chronic Obstructive Pulmonary Disease	6	16.7	8.6	*	33.3	15.5	*	33.3	21.5	*
Transient Cerebral Ischemia	27	11.1	3.0	*	14.8	6.8	*	25.9	11.0	*
Stroke	15	13.3	21.8	*	26.7	28.0	*	26.7	32.8	*
Hip Fracture	13	0.0	7.5	*	0.0	12.9	*	0.0	16.5	*
Sepsis	6	0.0	32.3	*	0.0	40.6	*	0.0	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.8	*	0.0	5.2	*	0.0	7.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	7.2	*	0.0	12.2	*	0.0	15.3	*
Open Reduction of Hip Fracture	6	0.0	8.2	*	0.0	14.2	*	0.0	17.9	*
Prostatectomy	16	0.0	1.2	*	0.0	2.8	*	0.0	4.5	*
Cholecystectomy	10	10.0	5.7	*	10.0	11.1	*	10.0	15.3	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONONGAHELA VALLEY HOSPITAL INC

Country Club Rd Rt 88
Monongahela, PA 15063

Medicare Provider Number: 390147

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,074	8.3	8.9	0.8	13.8	13.9	1.3	17.1	17.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	91	24.2	22.7	4.6	26.4	26.0	4.7	29.7	29.3	4.9
Congestive Heart Failure	180	15.6	16.1	3.0	26.7	24.9	4.0	34.4	31.9	4.5
Pneumonia/Influenza	91	16.5	16.0	3.9	23.1	21.8	5.5	31.9	26.5	7.9
Chronic Obstructive Pulmonary Disease	67	9.0	8.2	6.1	17.9	14.7	6.6	22.4	20.4	5.4
Transient Cerebral Ischemia	77	1.3	1.8	1.8	3.9	4.1	3.0	5.2	6.6	3.3
Stroke	103	18.4	19.8	4.1	23.3	27.4	4.8	24.3	31.9	5.9
Hip Fracture	58	10.3	7.2	6.0	17.2	12.6	7.5	19.0	16.1	6.3
Sepsis	50	26.0	29.2	*	40.0	37.8	*	44.0	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	0.0	3.2	*	0.0	6.7	*	0.0	10.1	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	1.9	*	12.5	2.9	*
Hip Replacement/Reconstruction	17	11.8	4.9	*	23.5	9.4	*	23.5	12.9	*
Open Reduction of Hip Fracture	42	9.5	6.3	*	16.7	11.6	*	19.0	15.1	*
Prostatectomy	70	1.4	1.0	2.4	4.3	2.4	3.3	7.1	4.1	3.5
Cholecystectomy	50	12.0	4.5	*	14.0	8.1	*	18.0	10.5	*
Hysterectomy	17	0.0	0.3	*	0.0	0.7	*	5.9	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 286
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 103
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 286
Licensed Practical Nurses 52

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MONONGAHELA VALLEY HOSPITAL INC

Medicare Provider Number: 390147

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,191	8.8	8.9	0.6	14.0	14.0	0.6	17.4	17.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	108	38.9	25.8	6.6	42.6	29.4	6.6	45.4	33.0	6.3
Congestive Heart Failure	168	13.7	17.6	5.1	22.0	26.4	7.1	28.0	33.5	7.6
Pneumonia/Influenza	95	10.5	16.2	6.4	13.7	21.8	7.0	21.1	26.1	6.3
Chronic Obstructive Pulmonary Disease	83	15.7	8.9	4.9	18.1	15.2	4.3	21.7	20.4	5.0
Transient Cerebral Ischemia	82	1.2	2.0	1.9	7.3	4.5	3.3	8.5	7.0	3.8
Stroke	108	15.7	19.2	5.0	20.4	26.9	6.3	29.6	31.8	4.8
Hip Fracture	53	7.5	7.0	4.0	24.5	12.4	6.5	30.2	15.6	7.2
Sepsis	37	37.8	25.0	*	43.2	34.8	*	43.2	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	5.6	*	0.0	9.9	*	4.2	13.4	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	22	9.1	5.7	*	22.7	10.3	*	27.3	13.0	*
Open Reduction of Hip Fracture	29	3.4	6.3	*	24.1	11.7	*	31.0	15.1	*
Prostatectomy	47	0.0	1.3	*	2.1	3.1	*	4.3	5.0	*
Cholecystectomy	70	2.9	3.2	2.4	4.3	5.6	2.9	4.3	7.2	3.8
Hysterectomy	18	0.0	0.3	*	0.0	0.5	*	5.6	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,122	8.9	9.6	0.8	14.4	14.5	0.7	17.4	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	132	28.8	25.1	6.1	31.8	28.6	5.4	32.6	32.0	4.4
Congestive Heart Failure	186	16.7	17.5	2.8	23.7	26.0	4.0	28.0	33.0	5.2
Pneumonia/Influenza	76	14.5	17.6	4.7	23.7	23.7	5.0	31.6	28.3	5.7
Chronic Obstructive Pulmonary Disease	68	7.4	11.0	6.3	10.3	18.1	7.3	16.2	23.7	7.6
Transient Cerebral Ischemia	74	0.0	2.5	2.8	5.4	5.5	2.7	9.5	8.8	3.6
Stroke	123	22.0	20.9	3.7	28.5	28.6	4.7	32.5	33.3	4.3
Hip Fracture	47	4.3	7.2	*	6.4	13.1	*	12.8	17.1	*
Sepsis	19	47.4	24.4	*	57.9	31.6	*	63.2	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	3.4	4.2	*	6.9	8.3	*	13.8	11.9	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	13	0.0	5.2	*	0.0	9.8	*	7.7	13.3	*
Open Reduction of Hip Fracture	28	3.6	5.9	*	7.1	11.4	*	14.3	15.2	*
Prostatectomy	45	0.0	1.2	*	6.7	2.9	*	8.9	4.8	*
Cholecystectomy	62	8.1	3.3	4.1	12.9	5.9	5.4	16.1	7.7	5.9
Hysterectomy	18	0.0	1.4	*	5.6	3.1	*	5.6	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONONGAHELA
VALLEY
HOSPITAL, INC.
Country Club Road
Monongahela, PA 15063-1095
(412) 258-1000

A HEALTHY
COMMUNITY
RESOURCE

Medicare Provider Number: 390147

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

ATTENTION: Mrs. Sandra Kappert

Dear Mrs. Kappert:

The following are the comments prepared by Monongahela Valley Hospital, Inc. relating to the HCFA Mortality data for federal fiscal year 1989.

The information received from HCFA indicates that a total of 3,074 Medicare patients were admitted to Monongahela Valley Hospital during the timeperiod October 1, 1988 - September 30, 1989, with a subsequent mortality rate of 8.3%. However, Hospital statistics indicate that there were 5,739 Medicare admissions during that timeframe and the recalculated mortality rate should actually be **6.4%** (368 Medicare deaths divided by 5,739 Medicare admissions). This discrepancy presumably reflects multiple admissions of Medicare beneficiaries to our facility which HCFA has deleted from the calculations.

As was the case in prior years, Monongahela Valley Hospital, Inc. was satisfied to note that our actual mortality rates were within the range of predicted statistical projections; however, it is important to reinforce that mortality rates are not indicators of quality patient care. Quality is multidimensional in that it relates to the appropriateness of care provided in accordance with standards of good medical practice while being tailored to the specific condition and wishes of the patient.

Quality can only be evaluated by the peer review process which the Monongahela Valley Hospital and Medical Staff expends many manhours performing on an on-going basis. Therefore, conclusions regarding hospital quality of care based on these data are unwarranted. As an example, every death occurring within our facility is reviewed on a monthly basis by the chairmen of the Departments of Medicine and Surgery with the findings of this review discussed at the monthly departmental meetings. This is one small part of a hospital-wide quality assurance program implemented within our facility.

The media and the general public must be discouraged from using this information to compare quality of care among hospitals. The responsibility is on the medical and hospital communities to strive for continuous quality improvement as a goal in the current health care environment.

Very truly yours,

Donna L. Ramusivich

Donna L. Ramusivich
Assistant Vice President

DLR:laa

MONSOUR MEDICAL CENTER

70 Lincoln Way E
Jeannette, PA 15644

Medicare Provider Number: 390103

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	840	5.4	7.2	1.4	8.6	11.6	1.4	11.0	15.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	27.4	*	43.5	30.9	*	43.5	34.5	*
Congestive Heart Failure	50	12.0	17.0	*	22.0	26.7	*	26.0	34.3	*
Pneumonia/Influenza	29	10.3	15.3	*	13.8	21.4	*	13.8	26.1	*
Chronic Obstructive Pulmonary Disease	20	5.0	8.3	*	20.0	14.2	*	25.0	19.4	*
Transient Cerebral Ischemia	19	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*
Stroke	15	6.7	13.5	*	6.7	19.6	*	6.7	23.6	*
Hip Fracture	4	0.0	4.5	*	0.0	8.1	*	0.0	10.6	*
Sepsis	5	20.0	28.4	*	20.0	38.1	*	20.0	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	33.3	6.8	*	33.3	10.1	*	33.3	13.1	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.1	*	0.0	3.2	*
Hip Replacement/Reconstruction	3	0.0	2.1	*	0.0	3.8	*	0.0	5.1	*
Open Reduction of Hip Fracture	3	0.0	3.6	*	0.0	6.8	*	0.0	9.1	*
Prostatectomy	9	11.1	1.4	*	11.1	3.5	*	11.1	6.0	*
Cholecystectomy	6	0.0	2.1	*	0.0	3.0	*	0.0	3.6	*
Hysterectomy	1	100.0	10.1	*	100.0	18.9	*	100.0	23.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	233
Occupancy Rate	36
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	78
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	12
Registered Nurses	146
Licensed Practical Nurses	43

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MONSOUR MEDICAL CENTER

Medicare Provider Number: 390103

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	825	4.6	7.5	1.5	8.5	12.0	1.8	12.7	15.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	26.8	*	16.7	29.9	*	16.7	33.3	*
Congestive Heart Failure	44	11.4	18.0	*	13.6	27.8	*	27.3	35.4	*
Pneumonia/Influenza	28	10.7	13.9	*	14.3	18.7	*	17.9	22.7	*
Chronic Obstructive Pulmonary Disease	20	0.0	6.6	*	0.0	11.5	*	5.0	16.1	*
Transient Cerebral Ischemia	16	6.3	1.7	*	6.3	3.5	*	12.5	5.5	*
Stroke	12	25.0	22.7	*	25.0	31.7	*	25.0	37.1	*
Hip Fracture	3	0.0	7.9	*	0.0	13.1	*	0.0	16.1	*
Sepsis	3	0.0	26.1	*	66.7	37.2	*	66.7	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	6.2	*	10.0	10.8	*	20.0	15.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.9	*	0.0	11.7	*	0.0	19.3	*
Open Reduction of Hip Fracture	2	0.0	8.6	*	0.0	14.8	*	0.0	18.3	*
Prostatectomy	14	7.1	1.3	*	7.1	3.4	*	7.1	5.7	*
Cholecystectomy	11	0.0	3.2	*	0.0	5.1	*	0.0	6.4	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	839	5.0	7.4	1.4	9.3	11.9	1.4	11.9	15.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	25.1	*	28.6	28.5	*	28.6	31.9	*
Congestive Heart Failure	35	5.7	16.3	*	14.3	24.7	*	22.9	31.5	*
Pneumonia/Influenza	23	0.0	12.8	*	0.0	17.3	*	4.3	21.3	*
Chronic Obstructive Pulmonary Disease	36	11.1	11.0	*	16.7	18.5	*	19.4	24.3	*
Transient Cerebral Ischemia	20	0.0	1.9	*	5.0	4.1	*	5.0	6.5	*
Stroke	25	28.0	21.0	*	36.0	27.3	*	40.0	31.6	*
Hip Fracture	7	14.3	5.5	*	14.3	9.5	*	14.3	12.1	*
Sepsis	4	0.0	19.5	*	25.0	26.8	*	25.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.0	*	0.0	6.2	*	0.0	9.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.5	*	0.0	6.4	*	0.0	8.3	*
Open Reduction of Hip Fracture	5	20.0	4.8	*	20.0	8.8	*	20.0	11.3	*
Prostatectomy	11	0.0	0.9	*	0.0	2.3	*	9.1	3.9	*
Cholecystectomy	8	0.0	5.5	*	0.0	10.1	*	0.0	13.1	*
Hysterectomy	3	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONTEFIORE HOSPITAL

3459 Fifth Ave
Pittsburgh, PA 15213

Medicare Provider Number: 390229

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,810	9.4	9.6	0.8	14.4	15.1	1.1	19.3	19.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	126	19.0	21.0	7.0	23.8	25.4	6.4	27.8	29.2	5.3
Congestive Heart Failure	137	12.4	16.3	5.9	18.2	25.4	6.9	29.9	32.6	6.0
Pneumonia/Influenza	86	22.1	15.6	6.8	27.9	21.6	6.2	30.2	26.3	5.8
Chronic Obstructive Pulmonary Disease	36	11.1	11.5	*	16.7	19.1	*	16.7	25.4	*
Transient Cerebral Ischemia	41	4.9	2.4	*	7.3	5.6	*	9.8	9.0	*
Stroke	80	18.7	19.8	4.5	22.5	26.6	5.5	31.3	31.0	5.2
Hip Fracture	46	10.9	6.9	*	10.9	12.4	*	13.0	16.2	*
Sepsis	42	47.6	31.4	*	54.8	41.0	*	61.9	47.9	*
PROCEDURES:										
Angioplasty	5	0.0	2.1	*	0.0	2.9	*	0.0	3.6	*
Coronary Artery Bypass Graft	38	7.9	5.6	*	7.9	7.5	*	7.9	8.7	*
Initial Pacemaker Insertion	15	0.0	3.4	*	6.7	5.9	*	6.7	8.4	*
Carotid Endarterectomy	7	0.0	1.7	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	39	7.7	3.0	*	10.3	5.5	*	10.3	7.3	*
Open Reduction of Hip Fracture	25	0.0	6.1	*	0.0	11.6	*	0.0	15.4	*
Prostatectomy	75	2.7	1.1	1.8	5.3	2.4	2.9	6.7	3.8	3.7
Cholecystectomy	48	2.1	3.2	*	4.2	6.2	*	6.3	8.5	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 338
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 514
Percent of Physicians Board Certified Specialists 91
Medical Residents/Interns 69
Registered Nurses 336
Licensed Practical Nurses 66

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MONTEFIORE HOSPITAL

Medicare Provider Number: 390229

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,062	8.9	9.4	0.9	14.8	15.0	1.3	18.5	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	137	23.4	22.6	4.0	32.1	27.7	5.5	37.2	32.1	7.0
Congestive Heart Failure	149	12.8	15.8	4.2	22.1	24.3	5.7	28.9	31.2	4.3
Pneumonia/Influenza	86	14.0	17.3	6.6	22.1	24.0	5.4	27.9	28.9	5.5
Chronic Obstructive Pulmonary Disease	43	14.0	9.6	*	20.9	16.5	*	23.3	22.1	*
Transient Cerebral Ischemia	31	0.0	2.3	*	0.0	5.2	*	6.5	8.4	*
Stroke	92	14.1	19.1	5.7	18.5	26.3	6.7	27.2	30.8	5.7
Hip Fracture	67	11.9	6.1	4.4	14.9	11.4	4.5	14.9	15.0	5.4
Sepsis	40	17.5	26.0	*	32.5	34.4	*	32.5	41.1	*
PROCEDURES:										
Angioplasty	5	0.0	3.9	*	0.0	4.6	*	0.0	5.5	*
Coronary Artery Bypass Graft	37	5.4	7.3	*	10.8	10.5	*	13.5	12.3	*
Initial Pacemaker Insertion	14	0.0	10.1	*	7.1	13.2	*	7.1	16.0	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	45	4.4	3.9	*	4.4	7.6	*	4.4	10.5	*
Open Reduction of Hip Fracture	39	7.7	5.4	*	12.8	10.5	*	12.8	14.1	*
Prostatectomy	86	0.0	1.3	1.6	2.3	3.3	2.4	4.7	5.4	3.5
Cholecystectomy	36	2.8	3.7	*	2.8	6.1	*	2.8	7.6	*
Hysterectomy	3	0.0	3.3	*	0.0	6.9	*	0.0	10.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,953	10.0	9.8	0.6	15.1	15.4	0.7	18.9	19.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	138	34.1	23.5	5.8	37.7	28.1	6.1	42.8	32.2	6.4
Congestive Heart Failure	160	15.6	18.9	3.3	25.0	28.5	4.2	28.1	36.0	5.4
Pneumonia/Influenza	79	15.2	20.0	5.6	26.6	27.5	5.5	36.7	33.3	6.0
Chronic Obstructive Pulmonary Disease	44	11.4	12.9	*	15.9	22.0	*	20.5	28.3	*
Transient Cerebral Ischemia	37	2.7	1.9	*	2.7	4.0	*	5.4	6.3	*
Stroke	103	22.3	19.5	4.5	25.2	26.5	4.5	31.1	30.9	4.7
Hip Fracture	47	10.6	7.4	*	12.8	13.8	*	17.0	18.2	*
Sepsis	42	23.8	31.3	*	40.5	40.1	*	42.9	47.1	*
PROCEDURES:										
Angioplasty	5	20.0	4.6	*	20.0	5.8	*	20.0	7.0	*
Coronary Artery Bypass Graft	11	0.0	6.3	*	0.0	8.3	*	0.0	9.4	*
Initial Pacemaker Insertion	20	0.0	3.8	*	0.0	7.4	*	5.0	10.8	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.1	*	0.0	2.9	*
Hip Replacement/Reconstruction	37	5.4	2.6	*	8.1	5.2	*	8.1	7.2	*
Open Reduction of Hip Fracture	31	12.9	6.4	*	16.1	12.5	*	19.4	16.8	*
Prostatectomy	80	1.2	1.2	1.6	2.5	3.1	3.1	2.5	5.1	4.7
Cholecystectomy	32	0.0	1.7	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	1	0.0	0.6	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICARE PROVIDER NUMBERS: 390229

The following are the brief comments of Montefiore Hospital (Montefiore) and Eye & Ear Hospital (Eye & Ear) of Pittsburgh, Pennsylvania, concerning the mortality rates prepared by HCFA for Medicare patients in 1989. Eye & Ear Hospital merged with Montefiore in 1990, and the two are now one nonprofit, tertiary, acute care facility -- Montefiore University Hospital -- with 600 licensed beds. As part of the University of Pittsburgh Medical Center -- the region's only academic medical center -- the hospital serves as a regional and national referral center and the region's leading medical education and research center.

Montefiore and Eye & Ear, while reassured by their own low mortality rates, believe that these numbers do not represent the sole or most important measure of the quality of care provided by their medical and hospital staffs. Because of the sophisticated services offered in the academic medical center and the corresponding referral of gravely ill patients, studying mortality by looking only at numbers is misleading. Reviewing mortality statistics is but one small portion of the hospital's ongoing efforts in measuring and enhancing the quality of care provided.

CARE REVIEW AND QUALITY OF CARE

Mortality rates cannot and should not be used to judge the quality of care provided by a hospital. At best, mortality rates provide one indicator for Montefiore and Eye & Ear to use in

their ongoing process of quality review and improvement. Medical staff departments of the hospitals conduct an ongoing, systematic monitoring and evaluation program, through which medical records for all patient deaths are reviewed, and clinical findings are discussed and analyzed.

METHODOLOGY

We applaud HCFA's recent efforts in refining its methodology to incorporate the concerns and comments hospitals expressed about the previous years' mortality reports. HCFA has moved closer to providing hospitals with data that are more sensitive to the multiple factors involved in assessing the "risk" of death and the use of prediction intervals. In fact, when HCFA applied these revisions to both Montefiore's and Eye & Ear's 1987 and 1988 data, the hospitals' mortality statistics fell well within the "predicted range" for those diagnostic categories that were possible to "predict." Even using the updated methodology, however, the predicted mortality figures and standard deviation ranges continue to be very broad. These broad ranges illustrate the fact that hospitals cannot rely upon mortality-rate calculations as a single quality assessment tool because such figures are unlikely to accurately identify potential problems.

CONCLUSION

Montefiore University Hospital and the University of Pittsburgh Medical Center welcome efforts to make the HCFA mortality data more meaningful and look forward to further methodology

MONTOGOMERY HOSPITAL

Powell & Forance Sts
Norristown, PA 19401

Medicare Provider Number: 390108

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,824	8.1	8.9	1.0	13.8	13.7	0.8	17.4	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	40	20.0	27.1	*	25.0	30.4	*	32.5	33.9	*
Congestive Heart Failure	102	16.7	15.8	3.8	24.5	24.7	4.5	29.4	31.8	5.3
Pneumonia/Influenza	51	17.6	16.2	5.8	21.6	21.9	6.3	27.5	26.4	7.5
Chronic Obstructive Pulmonary Disease	27	11.1	8.0	*	11.1	14.3	*	18.5	19.6	*
Transient Cerebral Ischemia	26	0.0	1.6	*	3.8	3.6	*	7.7	5.7	*
Stroke	50	18.0	21.3	*	22.0	28.1	*	26.0	32.6	*
Hip Fracture	48	4.2	6.8	*	14.6	12.2	*	16.7	15.7	*
Sepsis	30	20.0	27.6	*	30.0	36.6	*	33.3	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	3.6	*	4.2	7.0	*	4.2	10.1	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	34	0.0	2.5	*	5.9	4.7	*	8.8	6.3	*
Open Reduction of Hip Fracture	31	6.5	6.1	*	16.1	11.6	*	16.1	15.3	*
Prostatectomy	58	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*
Cholecystectomy	23	0.0	2.3	*	0.0	3.8	*	0.0	4.7	*
Hysterectomy	12	8.3	0.7	*	8.3	1.5	*	8.3	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 235
Occupancy Rate 72
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 220
Percent of Physicians Board Certified Specialists 76
Medical Residents/Interns 23
Registered Nurses 253
Licensed Practical Nurses 21

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MONTOGOMERY HOSPITAL

Medicare Provider Number: 390108

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,848	9.5	9.1	0.9	15.9	13.9	1.2	19.4	17.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	54	24.1	25.8	6.5	25.9	29.8	7.1	25.9	33.5	9.0
Congestive Heart Failure	110	11.8	15.8	4.4	19.1	24.1	5.6	22.7	30.8	7.0
Pneumonia/Influenza	57	15.8	17.0	5.2	26.3	23.0	6.4	28.1	27.7	6.3
Chronic Obstructive Pulmonary Disease	24	16.7	9.4	*	25.0	16.7	*	41.7	22.9	*
Transient Cerebral Ischemia	32	0.0	2.0	*	3.1	4.5	*	3.1	7.2	*
Stroke	64	17.2	20.7	9.5	23.4	27.9	9.2	26.6	32.5	10.6
Hip Fracture	34	5.9	6.7	*	14.7	12.3	*	17.6	16.0	*
Sepsis	23	21.7	32.1	*	30.4	41.0	*	30.4	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	5.0	*	10.5	8.5	*	10.5	11.6	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	18	0.0	3.9	*	22.2	8.0	*	22.2	10.8	*
Open Reduction of Hip Fracture	22	4.5	5.8	*	4.5	11.2	*	9.1	15.1	*
Prostatectomy	67	3.0	0.8	2.0	4.5	1.9	2.6	4.5	3.2	3.2
Cholecystectomy	40	2.5	3.5	*	7.5	5.7	*	15.0	7.1	*
Hysterectomy	14	0.0	1.4	*	0.0	2.1	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,786	8.8	8.6	0.9	13.4	13.3	0.8	17.2	16.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	27.0	27.4	6.1	27.0	30.9	6.7	33.3	34.2	6.4
Congestive Heart Failure	91	14.3	17.3	4.9	25.3	26.4	4.8	31.9	33.5	5.1
Pneumonia/Influenza	51	13.7	16.5	7.3	17.6	22.5	8.0	25.5	27.3	6.5
Chronic Obstructive Pulmonary Disease	27	18.5	13.5	*	29.6	21.9	*	33.3	27.7	*
Transient Cerebral Ischemia	19	0.0	1.8	*	0.0	3.7	*	0.0	5.9	*
Stroke	48	27.1	21.7	*	33.3	28.5	*	37.5	32.8	*
Hip Fracture	42	4.8	5.3	*	11.9	9.7	*	16.7	12.7	*
Sepsis	23	21.7	23.9	*	30.4	33.5	*	34.8	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.6	*	11.1	8.8	*	11.1	12.6	*
Carotid Endarterectomy	7	14.3	1.2	*	14.3	2.1	*	14.3	3.0	*
Hip Replacement/Reconstruction	32	6.3	3.6	*	9.4	7.0	*	12.5	9.3	*
Open Reduction of Hip Fracture	23	4.3	4.8	*	13.0	9.2	*	21.7	12.4	*
Prostatectomy	63	1.6	0.9	2.3	3.2	2.2	2.9	6.3	3.7	3.0
Cholecystectomy	26	7.7	3.4	*	7.7	6.0	*	7.7	7.9	*
Hysterectomy	9	0.0	0.8	*	0.0	1.8	*	11.1	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONTROSE GENERAL HOSPITAL INC

1-3 Grow Ave
Montrose, PA 18801

Medicare Provider Number: 390249

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	286	9.4	9.3	1.9	14.3	14.1	2.3	16.8	18.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	28.2	*	33.3	30.9	*	33.3	34.2	*
Congestive Heart Failure	18	5.6	13.0	*	22.2	20.8	*	22.2	27.3	*
Pneumonia/Influenza	16	18.8	16.1	*	25.0	21.7	*	25.0	26.2	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.1	*	0.0	11.0	*	20.0	15.5	*
Transient Cerebral Ischemia	4	0.0	1.7	*	0.0	3.7	*	0.0	6.0	*
Stroke	18	22.2	19.3	*	27.8	25.8	*	33.3	30.1	*
Hip Fracture	8	12.5	5.2	*	25.0	9.7	*	25.0	13.1	*
Sepsis	2	0.0	30.0	*	0.0	34.4	*	0.0	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	25.0	5.4	*	25.0	10.4	*	25.0	14.2	*
Prostatectomy	0									
Cholecystectomy	6	33.3	4.2	*	33.3	8.9	*	33.3	12.9	*
Hysterectomy	4	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 37
Occupancy Rate 32
Ownership/Control ..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MONTROSE GENERAL HOSPITAL INC

Medicare Provider Number: 390249

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	264	10.2	9.5	1.9	13.3	14.7	2.4	16.3	18.8	2.7
CONDITIONS:										
Acute Myocardial Infarction	8	25.0	17.4	*	25.0	21.2	*	25.0	25.0	*
Congestive Heart Failure	12	33.3	20.2	*	50.0	31.3	*	58.3	39.3	*
Pneumonia/Influenza	20	10.0	17.3	*	10.0	22.7	*	15.0	27.2	*
Chronic Obstructive Pulmonary Disease	7	0.0	4.3	*	14.3	8.3	*	14.3	11.8	*
Transient Cerebral Ischemia	9	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Stroke	11	18.2	18.0	*	18.2	24.5	*	18.2	29.2	*
Hip Fracture	10	10.0	7.4	*	10.0	13.6	*	10.0	17.4	*
Sepsis	1	100.0	46.3	*	100.0	54.8	*	100.0	64.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.3	*	0.0	8.9	*	0.0	12.0	*
Open Reduction of Hip Fracture	7	14.3	7.5	*	14.3	14.4	*	14.3	18.8	*
Prostatectomy	0									
Cholecystectomy	9	11.1	3.2	*	11.1	6.5	*	11.1	9.0	*
Hysterectomy	3	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	14.6	10.8	2.3	16.9	15.6	2.4	20.0	19.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	17	35.3	27.6	*	35.3	31.0	*	35.3	34.2	*
Congestive Heart Failure	17	29.4	16.3	*	35.3	24.0	*	35.3	30.1	*
Pneumonia/Influenza	18	16.7	17.2	*	33.3	23.1	*	38.9	28.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	8.8	*	16.7	16.5	*	16.7	23.4	*
Transient Cerebral Ischemia	6	0.0	2.7	*	0.0	6.4	*	0.0	10.7	*
Stroke	16	50.0	23.1	*	50.0	30.2	*	50.0	35.0	*
Hip Fracture	13	15.4	6.2	*	15.4	11.5	*	15.4	15.1	*
Sepsis	3	0.0	36.7	*	0.0	46.4	*	33.3	54.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.4	*	0.0	9.0	*	0.0	12.4	*
Open Reduction of Hip Fracture	8	25.0	5.6	*	25.0	10.7	*	25.0	14.2	*
Prostatectomy	0									
Cholecystectomy	5	0.0	1.1	*	0.0	1.7	*	0.0	2.2	*
Hysterectomy	2	0.0	1.5	*	0.0	3.4	*	0.0	5.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MOSES TAYLOR HOSPITAL

700 Quincy Ave
Scranton, PA 18510

Medicare Provider Number: 390119

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,567	7.2	9.1	0.7	12.0	13.8	0.8	15.7	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	58	27.6	28.0	6.0	27.6	31.9	6.6	32.8	35.5	6.8
Congestive Heart Failure	147	13.6	15.6	3.4	23.1	23.9	4.2	30.6	30.8	4.0
Pneumonia/Influenza	99	15.2	16.3	3.9	28.3	21.9	4.7	31.3	26.4	5.2
Chronic Obstructive Pulmonary Disease	55	7.3	8.9	4.5	12.7	14.7	5.3	18.2	19.5	6.5
Transient Cerebral Ischemia	53	0.0	1.6	2.6	3.8	3.5	3.3	5.7	5.6	5.5
Stroke	94	13.8	19.8	7.3	20.2	26.4	6.8	25.5	30.8	6.5
Hip Fracture	59	6.8	6.7	3.5	11.9	11.7	5.4	13.6	15.0	7.0
Sepsis	39	12.8	29.6	*	20.5	36.7	*	25.6	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	6.9	6.1	*	6.9	10.0	*	10.3	13.3	*
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	35	5.7	3.9	*	8.6	7.2	*	8.6	9.5	*
Open Reduction of Hip Fracture	24	4.2	5.6	*	8.3	10.1	*	12.5	13.0	*
Prostatectomy	83	1.2	0.9	1.2	1.2	2.1	1.8	1.2	3.6	2.8
Cholecystectomy	49	2.0	3.1	*	8.2	5.5	*	12.2	7.3	*
Hysterectomy	6	0.0	2.9	*	0.0	5.0	*	0.0	6.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 216
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 120
Percent of Physicians Board Certified Specialists 79
Medical Residents/Interns 0
Registered Nurses 218
Licensed Practical Nurses 87

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MOSES TAYLOR HOSPITAL

Medicare Provider Number: 390119

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,418	7.5	9.9	0.9	12.6	14.8	0.9	16.3	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	26.9	27.5	6.1	28.4	30.7	6.5	32.8	34.1	7.1
Congestive Heart Failure	138	11.6	18.2	5.9	21.0	27.2	6.0	29.7	34.4	5.7
Pneumonia/Influenza	66	15.2	19.9	8.7	19.7	26.4	10.4	24.2	31.3	11.0
Chronic Obstructive Pulmonary Disease	39	5.1	10.5	*	10.3	17.1	*	20.5	22.8	*
Transient Cerebral Ischemia	59	0.0	1.8	*	3.4	3.8	*	3.4	5.9	*
Stroke	104	14.4	23.3	5.5	17.3	29.7	6.7	22.1	34.3	6.9
Hip Fracture	42	4.8	7.7	*	9.5	13.6	*	16.7	17.5	*
Sepsis	33	24.2	33.2	*	42.4	39.9	*	42.4	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.8	*	0.0	5.0	*	12.5	7.0	*
Carotid Endarterectomy	5	20.0	1.4	*	20.0	2.8	*	20.0	4.1	*
Hip Replacement/Reconstruction	20	5.0	2.9	*	5.0	5.0	*	5.0	6.5	*
Open Reduction of Hip Fracture	15	6.7	8.3	*	13.3	15.2	*	26.7	19.6	*
Prostatectomy	78	1.3	1.5	2.2	3.8	3.1	2.5	3.8	4.9	3.4
Cholecystectomy	50	2.0	4.3	*	4.0	7.8	*	8.0	10.3	*
Hysterectomy	16	0.0	1.0	*	6.3	2.1	*	6.3	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,267	7.2	9.9	1.0	12.0	14.7	1.0	15.9	18.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	80	26.2	31.5	7.4	33.7	34.7	5.5	35.0	38.1	6.1
Congestive Heart Failure	140	8.6	18.3	4.7	15.7	27.1	5.3	25.0	34.1	5.0
Pneumonia/Influenza	71	12.7	16.7	8.1	15.5	22.5	10.1	21.1	27.2	9.9
Chronic Obstructive Pulmonary Disease	51	17.6	11.0	7.7	21.6	17.3	7.0	23.5	22.3	6.2
Transient Cerebral Ischemia	52	0.0	2.2	3.0	5.8	4.9	3.2	9.6	7.7	4.5
Stroke	85	24.7	25.1	7.9	25.9	31.6	7.6	32.9	36.2	7.6
Hip Fracture	45	4.4	8.2	*	6.7	13.9	*	8.9	17.5	*
Sepsis	33	18.2	31.9	*	18.2	39.6	*	33.3	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.2	*	6.3	7.4	*	12.5	10.1	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	20	0.0	5.1	*	5.0	9.0	*	5.0	11.5	*
Open Reduction of Hip Fracture	16	6.3	8.3	*	6.3	14.4	*	6.3	18.2	*
Prostatectomy	83	0.0	0.9	2.5	2.4	2.1	3.0	4.8	3.6	3.4
Cholecystectomy	60	3.3	4.2	2.7	3.3	7.4	4.2	5.0	9.7	5.1
Hysterectomy	15	0.0	1.3	*	0.0	2.6	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MT SINAI HOSPITAL

5th & Reed Sts
Philadelphia, PA 19147

Medicare Provider Number: 390277

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	773	10.1	11.1	1.6	15.9	16.6	1.5	20.7	20.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	39	28.2	26.0	*	33.3	29.4	*	38.5	32.9	*
Congestive Heart Failure	64	14.1	16.1	5.5	23.4	25.5	6.2	32.8	33.0	6.4
Pneumonia/Influenza	35	34.3	20.3	*	37.1	27.6	*	42.9	33.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	7.8	*	9.1	14.0	*	9.1	19.4	*
Transient Cerebral Ischemia	10	0.0	1.0	*	0.0	2.3	*	0.0	3.9	*
Stroke	42	19.0	19.3	*	31.0	26.6	*	33.3	31.0	*
Hip Fracture	10	0.0	8.1	*	0.0	14.2	*	20.0	18.0	*
Sepsis	5	20.0	29.4	*	20.0	40.3	*	20.0	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.3	*	0.0	8.1	*	40.0	10.7	*
Open Reduction of Hip Fracture	6	0.0	8.6	*	0.0	16.0	*	0.0	20.5	*
Prostatectomy	28	0.0	1.4	*	0.0	3.4	*	0.0	5.6	*
Cholecystectomy	12	0.0	3.3	*	0.0	5.7	*	8.3	7.6	*
Hysterectomy	2	0.0	1.9	*	0.0	4.0	*	0.0	5.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 162
Occupancy Rate 61
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 248
Percent of Physicians Board Certified Specialists 69
Medical Residents/Interns 0
Registered Nurses 152
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MT SINAI HOSPITAL

Medicare Provider Number: 390277

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	532	9.0	10.2	1.8	16.9	15.7	1.8	21.2	19.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	14	7.1	26.3	*	14.3	31.7	*	28.6	36.2	*
Congestive Heart Failure	36	5.6	16.2	*	16.7	24.1	*	19.4	30.5	*
Pneumonia/Influenza	28	10.7	19.2	*	21.4	26.1	*	32.1	31.3	*
Chronic Obstructive Pulmonary Disease	14	7.1	10.0	*	21.4	16.4	*	21.4	21.9	*
Transient Cerebral Ischemia	9	0.0	1.1	*	0.0	2.3	*	0.0	3.6	*
Stroke	24	16.7	18.8	*	20.8	25.3	*	33.3	29.7	*
Hip Fracture	7	0.0	6.0	*	14.3	11.7	*	14.3	15.8	*
Sepsis	5	40.0	38.1	*	40.0	45.4	*	40.0	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.1	*	0.0	8.2	*	0.0	11.1	*
Open Reduction of Hip Fracture	5	0.0	5.7	*	20.0	11.8	*	20.0	16.3	*
Prostatectomy	25	0.0	1.0	*	0.0	2.5	*	0.0	4.0	*
Cholecystectomy	4	0.0	5.1	*	0.0	9.2	*	0.0	11.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MUHLENBERG HOSPITAL CENTER

Schoenersville Rd
Bethlehem, PA 18017

Medicare Provider Number: 390263

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,320	8.4	9.7	0.9	12.7	14.5	1.4	14.7	18.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	23.3	*	26.7	28.1	*	30.0	31.8	*
Congestive Heart Failure	67	11.9	14.6	4.8	23.9	22.3	5.3	28.4	28.8	6.7
Pneumonia/Influenza	46	17.4	18.1	*	23.9	24.6	*	26.1	29.5	*
Chronic Obstructive Pulmonary Disease	28	10.7	11.3	*	17.9	18.9	*	21.4	25.0	*
Transient Cerebral Ischemia	23	0.0	1.7	*	8.7	3.8	*	8.7	6.2	*
Stroke	37	18.9	23.2	*	21.6	30.6	*	21.6	35.3	*
Hip Fracture	38	0.0	6.3	*	0.0	11.1	*	0.0	14.4	*
Sepsis	28	25.0	29.6	*	25.0	37.3	*	28.6	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.3	*	0.0	9.0	*	0.0	13.5	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	23	0.0	2.1	*	0.0	3.8	*	0.0	4.9	*
Open Reduction of Hip Fracture	23	0.0	6.8	*	0.0	12.8	*	0.0	16.7	*
Prostatectomy	25	0.0	0.9	*	0.0	2.1	*	4.0	3.5	*
Cholecystectomy	65	7.7	3.7	4.1	7.7	6.1	3.5	7.7	7.7	3.7
Hysterectomy	4	25.0	3.9	*	25.0	6.3	*	25.0	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 148
Occupancy Rate 78
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 179
Percent of Physicians Board Certified Specialists 59
Medical Residents/Interns 0
Registered Nurses 137
Licensed Practical Nurses 5

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MUHLENBERG HOSPITAL CENTER

Medicare Provider Number: 390263

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,304	8.0	10.6	1.1	11.8	15.4	1.3	15.3	18.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	31	12.9	26.3	*	19.4	28.9	*	22.6	32.0	*
Congestive Heart Failure	52	19.2	17.5	6.3	25.0	26.6	6.3	36.5	33.8	7.2
Pneumonia/Influenza	36	11.1	14.3	*	16.7	19.0	*	16.7	23.0	*
Chronic Obstructive Pulmonary Disease	40	5.0	8.2	*	5.0	13.6	*	12.5	18.5	*
Transient Cerebral Ischemia	29	0.0	1.7	*	3.4	3.7	*	6.9	5.8	*
Stroke	51	13.7	22.6	7.2	19.6	30.7	8.3	27.5	35.7	7.7
Hip Fracture	34	5.9	7.9	*	14.7	13.9	*	26.5	17.6	*
Sepsis	20	30.0	33.4	*	40.0	40.6	*	55.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	9.9	*	0.0	13.9	*	0.0	17.6	*
Carotid Endarterectomy	3	0.0	1.9	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	29	0.0	1.7	*	0.0	3.3	*	3.4	4.6	*
Open Reduction of Hip Fracture	22	4.5	6.8	*	13.6	12.5	*	22.7	16.1	*
Prostatectomy	25	4.0	1.0	*	4.0	2.6	*	4.0	4.4	*
Cholecystectomy	53	5.7	3.6	3.1	5.7	6.5	3.5	7.5	8.6	4.2
Hysterectomy	2	0.0	4.9	*	0.0	9.1	*	0.0	12.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,195	8.6	9.3	0.9	12.9	13.7	1.3	15.1	17.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	37	18.9	23.2	*	21.6	26.5	*	27.0	29.6	*
Congestive Heart Failure	52	11.5	15.9	5.4	15.4	23.8	6.9	17.3	30.4	8.8
Pneumonia/Influenza	24	4.2	16.3	*	8.3	21.8	*	12.5	26.4	*
Chronic Obstructive Pulmonary Disease	16	12.5	9.9	*	18.8	15.4	*	18.8	19.6	*
Transient Cerebral Ischemia	28	3.6	1.5	*	10.7	3.2	*	14.3	4.9	*
Stroke	42	19.0	20.6	*	35.7	27.4	*	38.1	31.7	*
Hip Fracture	20	0.0	6.5	*	20.0	12.2	*	20.0	16.3	*
Sepsis	20	30.0	23.3	*	40.0	30.3	*	40.0	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	5.3	*	7.7	11.2	*	15.4	16.2	*
Carotid Endarterectomy	1	0.0	2.6	*	0.0	4.9	*	0.0	6.8	*
Hip Replacement/Reconstruction	16	0.0	2.1	*	6.3	4.1	*	6.3	5.4	*
Open Reduction of Hip Fracture	12	0.0	5.6	*	16.7	10.9	*	16.7	14.6	*
Prostatectomy	29	0.0	1.6	*	0.0	4.0	*	0.0	6.7	*
Cholecystectomy	48	2.1	4.5	*	2.1	7.1	*	4.2	8.7	*
Hysterectomy	5	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

285.1

MUHLENBERG
HOSPITAL CENTER

January 10, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Provider #390263

Dear Mrs. Kappert:

I wish to thank you for the opportunity to review and provide comment on the mortality information which the Health Care Finance Administration (HCFA) plans to release in the Spring of 1991.

Muhlenberg Hospital Center has a comprehensive, on-going, hospital-wide Quality Assurance Program designed to monitor and evaluate the quality and appropriateness of patient care services provided. One aspect of this process is Mortality Review.

Upon receipt of this data, members of the Center's Medical Staff conducted a re-review of the cases in the two categories which exceeded the predicted ranges. The following is a summary of the results of this case-by-case analysis:

Cholecystectomy:

- Three of the six (6) mortalities (50%) were in stable condition at the time of discharge and expired elsewhere of unknown causes. One (1) case expired one (1) year after discharge and, therefore, should not have been included in this report.

- All of the cases were admitted on an acute emergency basis, not for the purpose of elective cholecystectomy. The average admission severity of these patients based on the Mediqual Severity System was 2.67 which is very high.

- Three (3) cases (50%) were admitted from area nursing homes with existing multi-system organ failure.

- Three (3) cases (50%) had secondary diagnoses of metastatic carcinoma.

2545 Schoenersville Rd. • Bethlehem, PA 18017-7384 • 215-861-2200

Attn: Mrs. Sandra Kappert
Health Care Financing Administration
January 10, 1991
Page Two

Medicare Provider #390263

- One (1) case had a principle procedure of a complete sigmoid colectomy for gangrenous bowel with a secondary cholecystectomy performed. This case should not have been included in this category.

Hysterectomy:

- Total sample size (4 cases) is insufficient upon which to base any meaningful conclusions.

- The mortality in this category was an elderly nursing home resident with existing multi-system organ failure admitted as an acute emergency who underwent the procedure for the diagnosis of cystadenocarcinoma.

The Board of Trustees, Administration and Medical Staff of Muhlenberg Hospital Center intend to continue comprehensive quality assurance activities and would hope that HCFA will work with hospitals to provide the public with meaningful information on which to base their health care decisions.

Very truly yours,

Gavin C. Barr, M.D.
Vice President-Medical Director

GCB:ts

MUNCY VALLEY HOSPITAL

P O Box 340
Muncy, PA 17756

Medicare Provider Number: 390078

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	620	7.1	9.1	1.8	11.5	13.5	2.0	15.6	17.3	2.1
CONDITIONS:										
Acute Myocardial Infarction	36	19.4	28.8	*	27.8	32.7	*	41.7	36.4	*
Congestive Heart Failure	35	14.3	14.3	*	20.0	22.2	*	34.3	28.8	*
Pneumonia/Influenza	36	8.3	16.4	*	11.1	22.9	*	13.9	27.8	*
Chronic Obstructive Pulmonary Disease	23	8.7	5.4	*	13.0	9.7	*	13.0	13.6	*
Transient Cerebral Ischemia	15	6.7	1.7	*	6.7	3.8	*	13.3	6.1	*
Stroke	21	4.8	17.9	*	14.3	24.2	*	14.3	28.5	*
Hip Fracture	3	0.0	5.6	*	0.0	9.7	*	0.0	12.3	*
Sepsis	7	14.3	22.4	*	14.3	27.2	*	14.3	32.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.1	*	0.0	4.3	*	0.0	6.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	5.0	*	0.0	8.8	*	0.0	11.1	*
Prostatectomy	16	0.0	1.5	*	0.0	3.7	*	0.0	6.3	*
Cholecystectomy	4	0.0	3.7	*	0.0	8.4	*	0.0	12.8	*
Hysterectomy	2	0.0	0.6	*	0.0	1.6	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	129
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	45
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MUNCY VALLEY HOSPITAL

Medicare Provider Number: 390078

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	628	8.4	9.2	1.6	11.0	14.0	2.0	14.5	17.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	33.1	*	16.7	36.0	*	25.0	39.4	*
Congestive Heart Failure	35	14.3	16.7	*	25.7	25.0	*	31.4	31.7	*
Pneumonia/Influenza	52	13.5	18.3	6.9	13.5	24.8	9.2	15.4	29.6	11.1
Chronic Obstructive Pulmonary Disease	18	0.0	10.3	*	0.0	16.6	*	5.6	21.9	*
Transient Cerebral Ischemia	19	0.0	2.3	*	5.3	5.3	*	15.8	8.4	*
Stroke	14	42.9	19.3	*	42.9	27.3	*	42.9	32.4	*
Hip Fracture	2	0.0	5.1	*	0.0	8.6	*	0.0	11.1	*
Sepsis	10	0.0	24.9	*	0.0	32.0	*	10.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	11.0	*	33.3	19.6	*	33.3	25.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	19	10.5	1.5	*	10.5	3.8	*	10.5	6.3	*
Cholecystectomy	9	0.0	1.6	*	0.0	2.7	*	0.0	3.4	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	626	8.1	7.8	1.1	11.2	12.1	1.5	14.5	15.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	27.9	*	27.3	31.1	*	40.9	34.5	*
Congestive Heart Failure	31	22.6	16.0	*	32.3	24.7	*	32.3	31.8	*
Pneumonia/Iniluenza	43	7.0	15.3	*	11.6	20.6	*	18.6	25.1	*
Chronic Obstructive Pulmonary Disease	18	5.6	11.4	*	5.6	18.5	*	5.6	23.8	*
Transient Cerebral Ischemia	26	0.0	2.3	*	7.7	5.1	*	7.7	8.0	*
Stroke	18	11.1	14.8	*	11.1	20.5	*	11.1	24.6	*
Hip Fracture	3	0.0	13.1	*	0.0	22.1	*	0.0	27.5	*
Sepsis	7	14.3	24.3	*	14.3	33.8	*	14.3	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	18.5	*	0.0	25.4	*	100.0	28.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	3	0.0	11.4	*	0.0	20.4	*	0.0	26.0	*
Prostatectomy	11	0.0	1.4	*	0.0	3.7	*	0.0	6.5	*
Cholecystectomy	8	0.0	2.8	*	12.5	4.3	*	12.5	5.2	*
Hysterectomy	2	0.0	1.0	*	0.0	2.2	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NASON HOSPITAL

Nason Drive
Roaring Springs, PA 16673

Medicare Provider Number: 390062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	644	11.6	8.0	1.4	18.3	11.4	2.4	20.3	14.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	38	42.1	27.8	*	57.9	30.6	*	57.9	34.2	*
Congestive Heart Failure	28	21.4	13.6	*	50.0	21.8	*	50.0	28.5	*
Pneumonia/Influenza	21	9.5	13.8	*	14.3	18.9	*	19.0	23.0	*
Chronic Obstructive Pulmonary Disease	12	8.3	5.8	*	16.7	9.9	*	16.7	13.5	*
Transient Cerebral Ischemia	16	0.0	1.6	*	6.3	3.6	*	18.8	5.7	*
Stroke	18	33.3	20.4	*	50.0	26.0	*	50.0	30.2	*
Hip Fracture	21	4.8	3.9	*	9.5	7.3	*	9.5	9.7	*
Sepsis	3	66.7	28.9	*	66.7	35.2	*	66.7	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	1.7	*	0.0	4.0	*	14.3	6.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	1.1	*	9.1	2.0	*	9.1	2.7	*
Open Reduction of Hip Fracture	12	0.0	2.9	*	0.0	5.7	*	0.0	7.9	*
Prostatectomy	23	4.3	1.0	*	4.3	2.4	*	4.3	4.2	*
Cholecystectomy	18	5.6	3.8	*	11.1	6.3	*	11.1	8.0	*
Hysterectomy	3	33.3	1.4	*	33.3	3.2	*	33.3	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	60
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	24
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	65
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NASON HOSPITAL

Medicare Provider Number: 390062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	677	11.7	7.2	1.9	15.5	11.0	1.8	19.1	14.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	23	30.4	26.8	*	39.1	30.2	*	47.8	34.0	*
Congestive Heart Failure	28	25.0	12.9	*	32.1	20.2	*	42.9	26.6	*
Pneumonia/Influenza	14	35.7	16.6	*	42.9	22.8	*	42.9	27.6	*
Chronic Obstructive Pulmonary Disease	13	7.7	4.2	*	15.4	8.3	*	15.4	11.9	*
Transient Cerebral Ischemia	14	0.0	1.4	*	0.0	2.9	*	0.0	4.6	*
Stroke	29	24.1	17.6	*	27.6	23.7	*	34.5	28.2	*
Hip Fracture	14	0.0	3.5	*	7.1	6.7	*	14.3	9.0	*
Sepsis	8	25.0	25.4	*	25.0	30.7	*	25.0	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.1	*	0.0	4.6	*	0.0	6.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	3.1	*	0.0	6.5	*	0.0	9.1	*
Open Reduction of Hip Fracture	7	0.0	3.5	*	14.3	7.0	*	28.6	9.5	*
Prostatectomy	26	3.8	1.5	*	3.8	3.1	*	7.7	4.9	*
Cholecystectomy	23	8.7	4.3	*	8.7	7.7	*	8.7	10.0	*
Hysterectomy	7	0.0	1.4	*	14.3	3.2	*	14.3	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	711	12.2	7.9	1.4	16.3	11.6	1.6	18.6	14.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	40	40.0	29.0	*	40.0	31.9	*	42.5	35.3	*
Congestive Heart Failure	29	13.8	14.9	*	17.2	23.6	*	24.1	30.6	*
Pneumonia/Influenza	20	30.0	16.2	*	35.0	22.7	*	35.0	27.7	*
Chronic Obstructive Pulmonary Disease	15	13.3	5.7	*	13.3	10.3	*	20.0	14.0	*
Transient Cerebral Ischemia	15	0.0	1.4	*	6.7	2.8	*	6.7	4.3	*
Stroke	33	27.3	19.0	*	30.3	25.8	*	33.3	30.4	*
Hip Fracture	26	7.7	4.3	*	11.5	8.3	*	11.5	11.2	*
Sepsis	5	40.0	22.3	*	60.0	27.6	*	60.0	32.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	1.5	*	0.0	3.4	*	9.1	5.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*
Open Reduction of Hip Fracture	14	7.1	4.3	*	7.1	8.7	*	7.1	11.9	*
Prostatectomy	26	0.0	0.8	*	7.7	2.0	*	7.7	3.4	*
Cholecystectomy	8	12.5	1.8	*	12.5	3.4	*	12.5	4.4	*
Hysterectomy	7	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

289.1

NASON HOSPITAL
100 NASON DRIVE
ROARING SPRING, PENNA. 16673
TELEPHONE (814) 224-2141
FAX (814) 224-6236

January 4, 1991 Medicare Provider No.390062

Health Care Financing Administration
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 221207

Att: Mrs. Sandra Kappert

Nason Hospital conducted an indepth study of the 1986, 1987, and 1988 HCFA mortality release after receiving the report in December, 1989.

On initial examination, it was determined that Nason Hospital had a very low predicted mortality range compared to other hospitals in the State of Pennsylvania who offer similar services. After conferences with HCFA personnel, review of the mortality tape purchased from HCFA, and careful evaluation of the data by hospital personnel and a statistician, it was determined that the information submitted on the UB82 listing admission priority (elective or emergent) was inaccurate on a majority of the forms, resulting in inaccurate data being used to determine the predicted mortality range.

This inaccuracy affected the HCFA calculation of the predicted mortality rate and range for the years 1986, 1987 and 1988.

The problem was corrected in the second quarter of 1990. Therefore, this same inaccuracy is present in the data collected and compiled for fiscal year 1989 and the first quarter if 1990.

After review of the 1989 mortality data using the standard deviations assigned by HCFA for all causes of death, we determined that the observed mortality rates for 1989, 1988, and 1987 were either within the predicted ranges or less than 1% above. We belive that this small difference may have been due to the inaccuracy of the admission priority information.

Also pertinent is the fact that no diagnostic categories were assigned a significance level because of low numbers of cases in each category.

Nason Hospital reviews all hospital deaths via the quality review process. Actual mortality rate for 1989 is 4.3%. All deaths were reviewed and found to be unavoidable.

NASON HOSPITAL
100 NASON DRIVE
ROARING SPRING, PENNA. 16673
TELEPHONE (814) 224-2141
FAX (814) 224-6236

Of the patients who died in 1989 55% were 76 years old or older.

82% of the deaths were Medicare patients; this is expected since our patient population is primarily elderly.

71.5% of the patients who died had "Do no Resuscitate" orders on the medical record.

76% of the Medicare patients who died had "Do Not Resuscitate" order on the medical record.

This information is highly significant when mortality statistics are reviewed. At present, patient wishes regarding resuscitation are not part of the predicted mortality calculation.

We appreciate the efforts of the Health Care Financing Adminstration to revise and improve the mortality statistics using input from health care facilities and organizations. We will continue to use the statistics as a part of our screening process for iddentifying areas for ongoing quality review.

Sincerely,

John P. Kinney
President

NAZARETH HOSPITAL

2601 Holme Ave
Philadelphia, PA 19152

Medicare Provider Number: 390204

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,575	9.9	10.8	0.9	16.4	16.3	1.0	19.7	20.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	160	33.7	29.0	7.1	40.0	32.8	7.7	41.9	36.4	7.6
Congestive Heart Failure	267	15.7	15.9	2.2	24.7	24.3	3.0	28.5	31.3	4.5
Pneumonia/Influenza	139	12.9	18.5	5.6	20.9	24.8	4.6	26.6	29.5	4.4
Chronic Obstructive Pulmonary Disease	60	6.7	6.8	3.3	11.7	12.5	4.5	21.7	17.3	5.9
Transient Cerebral Ischemia	97	1.0	1.7	2.3	4.1	3.9	2.5	7.2	6.2	2.7
Stroke	270	14.1	19.6	3.4	22.2	27.0	3.7	28.9	31.5	3.1
Hip Fracture	94	3.2	5.8	3.5	8.5	10.8	4.2	11.7	14.3	4.1
Sepsis	61	32.8	31.3	13.5	57.4	40.0	9.3	62.3	46.2	9.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	43	4.7	3.8	*	7.0	7.6	*	9.3	11.0	*
Carotid Endarterectomy	13	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	47	0.0	3.8	*	6.4	7.9	*	8.5	11.3	*
Open Reduction of Hip Fracture	53	1.9	5.4	5.2	3.8	10.2	7.4	9.4	13.6	6.7
Prostatectomy	89	0.0	1.1	1.4	0.0	2.5	2.6	1.1	4.0	3.0
Cholecystectomy	52	0.0	4.4	4.0	3.8	7.9	5.5	5.8	10.1	6.0
Hysterectomy	22	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 337
Occupancy Rate 80
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 290
Percent of Physicians Board Certified Specialists 82
Medical Residents/Interns 0
Registered Nurses 219
Licensed Practical Nurses 136

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NAZARETH HOSPITAL

Medicare Provider Number: 390204

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,452	9.8	10.3	0.6	15.4	15.5	0.6	19.7	19.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	178	22.5	24.7	5.4	26.4	28.4	5.4	29.2	32.0	5.1
Congestive Heart Failure	231	16.5	17.6	3.4	26.4	26.5	3.0	34.2	33.6	3.2
Pneumonia/Influenza	107	19.6	18.2	3.9	21.5	24.4	5.0	26.2	29.2	6.0
Chronic Obstructive Pulmonary Disease	55	10.9	6.0	5.2	10.9	11.1	5.4	16.4	15.7	6.1
Transient Cerebral Ischemia	112	0.9	2.1	1.7	4.5	4.5	2.0	8.0	7.1	2.6
Stroke	208	20.7	22.6	3.5	30.3	30.0	3.2	37.0	34.7	3.6
Hip Fracture	84	2.4	6.4	4.7	13.1	11.8	3.8	16.7	15.5	4.6
Sepsis	38	28.9	27.3	*	42.1	35.5	*	47.4	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	40	5.0	7.0	*	7.5	11.3	*	10.0	15.2	*
Carotid Endarterectomy	12	0.0	1.4	*	8.3	2.5	*	16.7	3.6	*
Hip Replacement/Reconstruction	32	3.1	4.0	*	15.6	8.1	*	15.6	10.9	*
Open Reduction of Hip Fracture	59	0.0	5.9	5.9	11.9	11.3	4.2	16.9	15.1	6.0
Prostatectomy	50	0.0	1.1	*	2.0	2.7	*	2.0	4.5	*
Cholecystectomy	59	3.4	3.7	2.5	5.1	6.7	3.7	6.8	8.6	4.4
Hysterectomy	25	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,293	10.4	11.0	0.7	16.1	16.4	0.8	20.3	20.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	207	21.7	25.0	5.3	24.2	29.0	5.9	27.5	32.7	6.6
Congestive Heart Failure	192	14.6	19.4	4.4	24.0	29.0	5.1	29.7	36.5	5.8
Pneumonia/Influenza	122	13.9	17.8	5.2	23.0	23.7	4.5	28.7	28.5	4.1
Chronic Obstructive Pulmonary Disease	28	14.3	12.7	*	28.6	20.6	*	32.1	26.8	*
Transient Cerebral Ischemia	110	1.8	2.0	1.4	2.7	4.2	2.3	5.5	6.5	2.5
Stroke	192	23.4	23.3	3.4	29.7	30.0	3.3	38.0	34.3	4.2
Hip Fracture	90	7.8	6.2	3.9	13.3	11.4	5.3	17.8	14.9	7.0
Sepsis	47	19.1	30.8	*	36.2	39.5	*	42.6	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	4.1	*	12.0	8.2	*	16.0	11.8	*
Carotid Endarterectomy	12	0.0	1.9	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction	37	2.7	3.7	*	10.8	7.4	*	16.2	10.2	*
Open Reduction of Hip Fracture	48	4.2	5.1	*	8.3	9.7	*	8.3	12.9	*
Prostatectomy	67	0.0	1.2	1.7	0.0	3.0	3.2	1.5	4.9	3.8
Cholecystectomy	43	0.0	2.7	*	0.0	4.6	*	0.0	5.7	*
Hysterectomy	18	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NESBITT MEMORIAL HOSPITAL

562 Wyoming Avenue
Kingston, PA 18704

Medicare Provider Number: 390137

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,346	8.3	8.1	0.8	13.4	12.3	1.0	17.3	15.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	83	33.7	27.9	5.9	38.6	31.0	7.1	45.8	34.4	8.0
Congestive Heart Failure	155	16.1	13.6	3.8	26.5	21.2	4.8	35.5	27.6	6.6
Pneumonia/Influenza	86	10.5	15.6	4.9	22.1	21.4	4.4	27.9	26.2	4.9
Chronic Obstructive Pulmonary Disease	34	0.0	5.0	*	5.9	9.5	*	11.8	13.8	*
Transient Cerebral Ischemia	63	0.0	1.6	2.1	1.6	3.6	2.9	3.2	5.7	3.8
Stroke	114	20.2	17.2	5.0	24.6	23.6	4.2	28.1	27.9	4.2
Hip Fracture	54	3.7	6.8	5.1	7.4	12.4	6.4	14.8	16.2	5.3
Sepsis	22	22.7	25.8	*	31.8	33.0	*	45.5	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	4.3	*	20.0	7.6	*	20.0	10.4	*
Carotid Endarterectomy	15	6.7	1.2	*	6.7	2.3	*	13.3	3.3	*
Hip Replacement/Reconstruction	18	0.0	4.5	*	5.6	8.7	*	5.6	11.9	*
Open Reduction of Hip Fracture	29	6.9	6.5	*	6.9	12.2	*	17.2	16.1	*
Prostatectomy	95	0.0	0.8	1.5	3.2	1.9	1.7	5.3	3.2	2.5
Cholecystectomy	34	0.0	3.0	*	2.9	5.2	*	2.9	6.8	*
Hysterectomy	15	0.0	0.8	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 214
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 215
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 0
Registered Nurses 287
Licensed Practical Nurses 59

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NESBITT MEMORIAL HOSPITAL

Medicare Provider Number: 390137

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,467	9.0	8.4	0.7	14.1	12.6	1.0	17.5	16.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	76	27.6	27.2	5.2	32.9	30.2	5.7	34.2	33.9	5.4
Congestive Heart Failure	149	12.1	14.4	3.2	18.8	22.2	4.7	22.1	28.6	6.4
Pneumonia/Influenza	79	17.7	15.0	4.4	27.8	20.5	5.8	38.0	24.9	7.6
Chronic Obstructive Pulmonary Disease	55	9.1	8.0	3.8	14.5	13.7	5.0	16.4	18.8	7.1
Transient Cerebral Ischemia	65	0.0	1.8	2.9	3.1	3.9	2.8	7.7	6.3	3.4
Stroke	98	17.3	19.6	5.5	28.6	25.7	5.4	28.6	30.0	6.2
Hip Fracture	57	3.5	6.4	4.1	8.8	11.5	4.9	15.8	14.8	4.8
Sepsis	33	6.1	30.2	*	18.2	37.6	*	27.3	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.1	*	21.4	7.4	*	28.6	10.5	*
Carotid Endarterectomy	12	8.3	1.6	*	16.7	3.1	*	16.7	4.6	*
Hip Replacement/Reconstruction	16	0.0	5.4	*	6.3	9.8	*	6.3	12.4	*
Open Reduction of Hip Fracture	36	2.8	5.5	*	8.3	10.4	*	19.4	13.5	*
Prostatectomy	91	1.1	1.0	1.1	1.1	2.5	2.2	2.2	4.2	3.5
Cholecystectomy	39	5.1	3.6	*	7.7	5.9	*	7.7	7.4	*
Hysterectomy	32	0.0	0.5	*	0.0	1.1	*	3.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,281	9.2	8.6	0.8	13.5	12.9	0.8	16.9	16.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	89	19.1	26.7	10.0	23.6	29.7	10.7	24.7	33.2	11.3
Congestive Heart Failure	154	16.9	14.8	3.7	24.7	22.8	4.4	32.5	29.5	5.3
Pneumonia/Influenza	67	13.4	15.8	4.7	13.4	21.4	6.6	19.4	26.1	6.7
Chronic Obstructive Pulmonary Disease	56	5.4	9.4	5.2	14.3	15.3	4.9	21.4	20.0	6.4
Transient Cerebral Ischemia	77	2.6	2.3	2.4	3.9	5.2	3.2	7.8	8.2	4.1
Stroke	115	16.5	18.9	4.6	25.2	25.3	4.7	28.7	29.6	4.3
Hip Fracture	58	5.2	5.9	3.2	8.6	10.7	4.8	10.3	13.9	7.1
Sepsis	24	37.5	31.2	*	41.7	39.9	*	45.8	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.5	*	7.1	4.9	*	7.1	7.3	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	16	0.0	4.3	*	6.3	8.2	*	12.5	10.9	*
Open Reduction of Hip Fracture	39	5.1	5.6	*	7.7	10.6	*	7.7	13.9	*
Prostatectomy	88	0.0	1.1	1.4	1.1	2.6	2.3	3.4	4.4	3.7
Cholecystectomy	25	0.0	2.0	*	0.0	3.8	*	0.0	5.3	*
Hysterectomy	21	0.0	0.9	*	0.0	1.9	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEUMANN MEDICAL CENTER

Frankford Ave & Palmer St
Philadelphia, PA 19125

Medicare Provider Number: 390023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	605	10.9	11.0	1.4	18.5	16.4	1.9	22.8	20.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	27.8	*	36.8	30.4	*	47.4	33.5	*
Congestive Heart Failure	49	16.3	14.9	*	28.6	23.1	*	30.6	29.7	*
Pneumonia/Influenza	38	10.5	15.8	*	21.1	22.2	*	23.7	27.2	*
Chronic Obstructive Pulmonary Disease	6	0.0	9.4	*	33.3	15.4	*	50.0	20.3	*
Transient Cerebral Ischemia	16	6.3	1.9	*	12.5	4.2	*	18.8	6.7	*
Stroke	27	22.2	21.1	*	29.6	27.8	*	37.0	32.2	*
Hip Fracture	3	0.0	12.5	*	33.3	20.7	*	33.3	25.8	*
Sepsis	11	18.2	29.8	*	18.2	38.2	*	18.2	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.5	*	0.0	6.7	*	25.0	9.9	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	2.8	*	50.0	4.1	*
Hip Replacement/Reconstruction	1	0.0	6.6	*	0.0	11.0	*	0.0	13.4	*
Open Reduction of Hip Fracture	2	0.0	5.1	*	0.0	9.0	*	0.0	11.4	*
Prostatectomy	30	3.3	2.2	*	6.7	4.8	*	10.0	7.4	*
Cholecystectomy	9	0.0	3.0	*	0.0	5.6	*	11.1	8.0	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 200
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 2
Registered Nurses 65
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

NEUMANN MEDICAL CENTER

Medicare Provider Number: 390023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	723	10.2	11.6	1.6	16.7	16.8	1.6	20.6	20.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	25	44.0	33.1	*	56.0	36.7	*	56.0	40.4	*
Congestive Heart Failure	51	11.8	14.3	5.6	21.6	21.7	5.9	27.5	28.0	6.4
Pneumonia/Influenza	33	3.0	20.1	*	15.2	27.4	*	15.2	33.0	*
Chronic Obstructive Pulmonary Disease	16	12.5	11.0	*	18.8	18.0	*	25.0	23.5	*
Transient Cerebral Ischemia	16	0.0	1.9	*	6.3	4.1	*	6.3	6.4	*
Stroke	26	11.5	23.6	*	19.2	29.6	*	23.1	34.2	*
Hip Fracture	12	0.0	5.9	*	0.0	10.6	*	0.0	13.8	*
Sepsis	4	25.0	22.4	*	25.0	28.0	*	25.0	34.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	50.0	35.1	*	50.0	38.5	*	75.0	42.5	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	4	0.0	3.5	*	0.0	6.7	*	0.0	8.6	*
Open Reduction of Hip Fracture	7	0.0	5.6	*	0.0	10.0	*	0.0	12.8	*
Prostatectomy	23	0.0	1.3	*	8.7	3.1	*	13.0	5.1	*
Cholecystectomy	12	8.3	3.4	*	8.3	6.4	*	8.3	8.3	*
Hysterectomy	2	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	907	7.4	10.5	1.3	12.2	15.4	1.5	16.5	19.1	1.5
CONDITIONS:										
Acute Myocardial Infarction	22	18.2	28.3	*	22.7	30.8	*	27.3	33.9	*
Congestive Heart Failure	55	9.1	14.7	8.1	16.4	21.8	11.2	21.8	27.9	10.6
Pneumonia/Influenza	34	5.9	13.9	*	14.7	18.6	*	14.7	22.8	*
Chronic Obstructive Pulmonary Disease	20	10.0	15.5	*	15.0	23.5	*	15.0	29.2	*
Transient Cerebral Ischemia	22	0.0	2.1	*	0.0	4.6	*	4.5	7.3	*
Stroke	41	17.1	25.1	*	26.8	31.7	*	36.6	36.5	*
Hip Fracture	12	0.0	5.7	*	8.3	10.3	*	16.7	13.5	*
Sepsis	7	28.6	42.3	*	71.4	51.1	*	71.4	57.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.0	*	16.7	9.8	*	16.7	12.6	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	4	0.0	4.7	*	25.0	8.1	*	25.0	10.2	*
Open Reduction of Hip Fracture	8	0.0	5.1	*	0.0	9.9	*	12.5	13.1	*
Prostatectomy	45	2.2	1.7	*	8.9	4.1	*	13.3	6.8	*
Cholecystectomy	16	12.5	3.6	*	12.5	6.7	*	12.5	9.2	*
Hysterectomy	6	0.0	0.5	*	0.0	1.3	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTH HILLS PASSAVANT HOSPITAL

9100 Babcock Boulevard
Pittsburgh, PA 15237

Medicare Provider Number: 390107

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,144	7.3	8.8	1.0	12.2	13.5	1.0	15.9	17.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	121	19.8	25.7	7.4	23.1	29.8	7.8	27.3	33.7	8.1
Congestive Heart Failure	174	11.5	17.4	4.9	19.5	26.7	5.6	28.7	34.1	5.3
Pneumonia/Influenza	101	16.8	16.8	3.7	23.8	22.9	4.2	31.7	27.6	5.7
Chronic Obstructive Pulmonary Disease	91	2.2	8.9	5.0	9.9	15.2	7.0	13.2	20.7	6.6
Transient Cerebral Ischemia	94	1.1	1.7	1.4	2.1	3.7	2.3	3.2	5.9	3.3
Stroke	110	18.2	20.7	4.1	21.8	27.4	5.2	22.7	31.8	6.4
Hip Fracture	91	6.6	7.1	2.8	12.1	12.7	3.8	16.5	16.5	3.9
Sepsis	26	26.9	28.6	*	38.5	36.2	*	38.5	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	4.3	*	12.5	8.5	*	20.8	12.1	*
Carotid Endarterectomy	20	0.0	1.5	*	5.0	2.9	*	5.0	4.2	*
Hip Replacement/Reconstruction	66	6.1	3.4	3.1	6.1	6.4	3.0	7.6	8.5	3.7
Open Reduction of Hip Fracture	47	2.1	6.9	*	12.8	13.1	*	17.0	17.4	*
Prostatectomy	72	1.4	0.9	1.2	2.8	2.3	2.1	5.6	3.8	3.2
Cholecystectomy	46	0.0	3.5	*	2.2	6.1	*	6.5	7.8	*
Hysterectomy	28	3.6	0.5	*	3.6	1.1	*	7.1	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 292
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 231
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 372
Licensed Practical Nurses 36

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NORTH HILLS PASSAVANT HOSPITAL

Medicare Provider Number: 390107

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,278	8.3	8.7	0.7	12.8	13.3	0.7	16.9	17.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	132	27.3	26.2	6.4	32.6	30.0	6.2	35.6	33.8	6.0
Congestive Heart Failure	204	15.2	17.4	4.3	21.6	26.5	6.4	30.9	33.8	5.5
Pneumonia/Influenza	94	17.0	15.3	4.0	25.5	20.9	8.8	29.8	25.4	8.2
Chronic Obstructive Pulmonary Disease	94	13.8	9.5	4.8	19.1	16.0	6.0	24.5	21.5	5.4
Transient Cerebral Ischemia	85	3.5	1.8	2.4	5.9	3.9	2.9	5.9	6.2	3.5
Stroke	127	13.4	21.5	5.3	18.9	28.1	6.0	22.0	32.7	6.6
Hip Fracture	66	12.1	7.1	4.7	16.7	12.6	7.1	21.2	16.1	8.4
Sepsis	22	27.3	25.1	*	31.8	32.5	*	36.4	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	5.4	7.2	*	10.8	10.6	*	10.8	13.9	*
Carotid Endarterectomy	16	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	50	6.0	2.9	*	8.0	5.5	*	10.0	7.2	*
Open Reduction of Hip Fracture	42	11.9	6.4	*	19.0	11.9	*	23.8	15.3	*
Prostatectomy	75	0.0	1.1	1.9	1.3	2.7	2.2	4.0	4.3	2.7
Cholecystectomy	73	2.7	2.7	1.9	4.1	4.8	2.7	5.5	6.3	3.1
Hysterectomy	21	0.0	0.7	*	4.8	1.5	*	4.8	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,195	7.8	8.8	0.8	12.6	13.4	0.8	16.2	17.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	136	19.1	28.0	5.4	24.3	32.0	5.3	27.9	35.8	5.1
Congestive Heart Failure	168	14.3	17.7	4.7	21.4	26.8	7.1	29.2	34.0	7.7
Pneumonia/Influenza	79	5.1	17.1	6.5	11.4	23.1	6.7	20.3	27.9	6.1
Chronic Obstructive Pulmonary Disease	90	5.6	9.0	5.3	10.0	14.9	5.3	15.6	19.6	4.7
Transient Cerebral Ischemia	103	1.9	2.1	2.4	3.9	4.5	3.7	8.7	7.1	3.3
Stroke	117	17.9	20.7	5.3	22.2	27.6	6.7	25.6	32.2	8.2
Hip Fracture	88	13.6	7.4	4.4	22.7	13.1	6.2	27.3	16.9	6.9
Sepsis	18	5.6	32.4	*	16.7	39.8	*	22.2	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	3.7	*	6.7	7.9	*	10.0	11.5	*
Carotid Endarterectomy	16	0.0	1.4	*	0.0	2.5	*	6.3	3.6	*
Hip Replacement/Reconstruction	55	12.7	5.7	5.1	23.6	10.2	6.4	29.1	13.1	7.7
Open Reduction of Hip Fracture	41	9.8	6.1	*	14.6	11.9	*	22.0	15.8	*
Prostatectomy	76	1.3	1.5	1.7	2.6	3.6	3.1	2.6	6.0	4.3
Cholecystectomy	60	3.3	2.4	2.1	5.0	4.1	2.7	5.0	5.2	2.9
Hysterectomy	28	0.0	0.3	*	3.6	0.6	*	3.6	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTH PENNYSLVANIA HOSPITAL

Medical Campus Drive
Lansdale, PA 19446

Medicare Provider Number: 390012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,458	10.6	10.3	0.9	17.1	15.5	1.6	19.7	19.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	69	21.7	24.3	5.8	26.1	28.5	6.1	31.9	32.0	5.8
Congestive Heart Failure	63	15.9	14.3	5.6	25.4	21.8	6.0	27.0	28.3	6.4
Pneumonia/Influenza	70	18.6	19.2	4.7	34.3	26.4	6.4	40.0	31.8	7.2
Chronic Obstructive Pulmonary Disease	16	12.5	7.7	*	25.0	13.8	*	25.0	19.4	*
Transient Cerebral Ischemia	33	0.0	1.5	*	3.0	3.4	*	3.0	5.4	*
Stroke	52	21.2	20.1	8.3	32.7	27.2	10.5	34.6	31.7	9.6
Hip Fracture	45	20.0	7.9	*	28.9	14.3	*	31.1	18.4	*
Sepsis	33	15.2	24.9	*	39.4	33.5	*	39.4	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	3.4	*	17.6	7.0	*	23.5	10.3	*
Carotid Endarterectomy	5	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	31	19.4	4.1	*	22.6	8.0	*	22.6	10.8	*
Open Reduction of Hip Fracture	26	11.5	6.9	*	23.1	12.8	*	26.9	16.5	*
Prostatectomy	56	0.0	1.3	1.9	1.8	3.1	2.6	1.8	5.1	4.0
Cholecystectomy	32	0.0	3.3	*	0.0	5.6	*	0.0	7.0	*
Hysterectomy	6	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 150
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 113
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 0
Registered Nurses 175
Licensed Practical Nurses 21

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NORTH PENNYSLVANIA HOSPITAL

Medicare Provider Number: 390012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,467	10.8	10.2	0.9	16.4	15.2	1.3	20.2	19.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	54	37.0	33.4	7.3	46.3	37.6	8.5	48.1	41.6	8.5
Congestive Heart Failure	61	23.0	16.9	5.9	27.9	24.9	5.8	29.5	31.8	6.4
Pneumonia/Influenza	68	17.6	19.9	7.5	25.0	26.3	6.1	29.4	31.1	6.5
Chronic Obstructive Pulmonary Disease	12	8.3	7.9	*	16.7	13.9	*	25.0	19.0	*
Transient Cerebral Ischemia	30	10.0	1.8	*	10.0	3.9	*	10.0	6.3	*
Stroke	62	21.0	23.0	7.4	24.2	30.9	10.0	27.4	35.9	10.8
Hip Fracture	50	8.0	6.2	*	16.0	11.4	*	22.0	14.8	*
Sepsis	11	18.2	18.0	*	18.2	26.1	*	18.2	31.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	12.0	*	20.0	14.8	*	20.0	17.5	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	26	0.0	2.9	*	3.8	5.6	*	19.2	7.5	*
Open Reduction of Hip Fracture	28	10.7	5.9	*	21.4	11.5	*	25.0	15.3	*
Prostatectomy	49	0.0	1.0	*	0.0	2.5	*	2.0	4.0	*
Cholecystectomy	40	10.0	3.3	*	12.5	5.5	*	22.5	7.0	*
Hysterectomy	11	0.0	1.0	*	0.0	2.2	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,453	10.5	10.8	1.1	15.4	15.9	1.0	20.0	19.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	52	26.9	31.8	8.2	32.7	35.0	7.9	36.5	38.5	7.4
Congestive Heart Failure	92	18.5	18.6	4.1	25.0	27.8	4.9	31.5	35.1	5.2
Pneumonia/Influenza	79	22.8	20.9	7.3	34.2	27.6	10.2	39.2	32.7	10.6
Chronic Obstructive Pulmonary Disease	27	14.8	12.9	*	14.8	21.7	*	18.5	28.1	*
Transient Cerebral Ischemia	34	2.9	2.0	*	5.9	4.6	*	8.8	7.2	*
Stroke	67	22.4	20.5	5.2	25.4	28.0	5.9	31.3	32.5	6.0
Hip Fracture	56	0.0	7.5	8.3	3.6	13.7	11.1	10.7	17.7	8.6
Sepsis	13	23.1	27.0	*	30.8	37.0	*	30.8	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.0	*	0.0	6.7	*	0.0	10.8	*
Carotid Endarterectomy	5	40.0	1.8	*	40.0	3.3	*	40.0	4.8	*
Hip Replacement/Reconstruction	25	0.0	4.6	*	8.0	9.2	*	12.0	12.6	*
Open Reduction of Hip Fracture	31	0.0	6.2	*	0.0	11.8	*	9.7	15.6	*
Prostatectomy	56	1.8	1.8	1.8	3.6	4.3	3.6	8.9	7.2	5.0
Cholecystectomy	32	0.0	2.3	*	0.0	3.8	*	3.1	4.8	*
Hysterectomy	11	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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North Penn Hospital

100 Medical Campus Drive
Lansdale, PA 19446 • (215) 368-2100

Provider #390012

HCFA 1989 MORTALITY DATA RELEASE

North Penn Hospital supports the health care consumer's access to valid, meaningful information regarding the quality of care provided by hospitals. As in year's past, we would like to emphasize that the use of mortality statistics alone will not accomplish this. While changes in the method of calculating these statistics have been made in each of the past four years of the data release, many factors remain unaccounted for, e.g., severity of illness, and other complicating conditions.

A major change in the presentation of the data includes the lack of a range of predicted values. The use of a single point for a predicted mortality rate obscures the fact that the observed rate may be well within an acceptable range. Likewise, many categories simply contain too few cases from which to draw valid conclusions. These instances are recognized by HCFA by the use of an asterisk in place of a standard deviation.

The Board of Directors, Administration & Medical Staff of North Penn Hospital continue in their efforts to provide the community with the best care possible. The review of mortality information is one part of an active, ongoing and comprehensive quality assurance program which meets the high standards of the Joint Commission on Accreditation of Health Care Organizations and the Pennsylvania Department of Health.

North Penn Hospital will continue to monitor and improve the care it provides regardless of future data releases.

NORTH PHILADELPHIA HEALTH SYSTEM

8th & Girard Ave
Philadelphia, PA 19122

Medicare Provider Number: 390132

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	299	6.4	9.8	2.3	10.4	14.7	3.0	14.0	18.5	3.4
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	29.4	*	45.5	33.2	*	45.5	36.9	*
Congestive Heart Failure	29	6.9	14.2	*	10.3	21.6	*	10.3	27.8	*
Pneumonia/Influenza	13	7.7	14.5	*	15.4	19.5	*	15.4	23.7	*
Chronic Obstructive Pulmonary Disease	6	0.0	13.7	*	0.0	25.2	*	0.0	34.5	*
Transient Cerebral Ischemia	1	0.0	1.6	*	0.0	3.1	*	0.0	4.8	*
Stroke	14	14.3	15.4	*	21.4	21.1	*	21.4	25.1	*
Hip Fracture	5	0.0	6.8	*	0.0	12.7	*	40.0	16.9	*
Sepsis	1	0.0	39.7	*	0.0	47.1	*	0.0	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	5	0.0	5.9	*	0.0	11.6	*	40.0	15.8	*
Prostatectomy	5	0.0	3.1	*	0.0	7.2	*	0.0	11.6	*
Cholecystectomy	1	0.0	3.3	*	0.0	4.2	*	0.0	5.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 409
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 40
Registered Nurses 207
Licensed Practical Nurses 14

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

NORTH PHILADELPHIA HEALTH SYSTEM

Medicare Provider Number: 390132

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	328	7.6	10.1	2.3	14.0	14.7	2.7	17.1	18.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	26.5	*	27.8	29.9	*	44.4	33.5	*
Congestive Heart Failure	24	4.2	15.1	*	16.7	23.3	*	20.8	30.3	*
Pneumonia/Influenza	9	11.1	16.6	*	11.1	22.8	*	11.1	27.8	*
Chronic Obstructive Pulmonary Disease	7	14.3	10.9	*	14.3	17.9	*	14.3	23.4	*
Transient Cerebral Ischemia	3	0.0	1.4	*	0.0	3.0	*	0.0	4.6	*
Stroke	16	18.8	13.7	*	25.0	20.2	*	31.3	24.6	*
Hip Fracture	3	0.0	7.0	*	33.3	12.0	*	33.3	15.0	*
Sepsis	8	12.5	35.7	*	62.5	42.6	*	62.5	47.5	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	34.7	*	50.0	39.2	*	50.0	44.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*
Open Reduction of Hip Fracture	1	0.0	8.5	*	100.0	13.9	*	100.0	16.8	*
Prostatectomy	9	0.0	1.0	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	0									
Hysterectomy	1	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	427	7.0	10.1	2.4	12.6	15.1	2.4	16.2	19.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	22.1	*	36.8	25.7	*	42.1	29.1	*
Congestive Heart Failure	38	2.6	15.5	*	7.9	23.8	*	10.5	30.5	*
Pneumonia/Influenza	13	15.4	21.1	*	23.1	29.4	*	23.1	35.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	12.6	*	0.0	20.4	*	0.0	26.2	*
Transient Cerebral Ischemia	2	0.0	1.8	*	0.0	3.8	*	0.0	5.3	*
Stroke	18	16.7	22.4	*	38.9	29.0	*	38.9	33.1	*
Hip Fracture	5	0.0	6.5	*	0.0	13.0	*	40.0	18.0	*
Sepsis	2	0.0	14.8	*	0.0	21.5	*	0.0	26.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	2.2	*	100.0	3.8	*	100.0	5.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.1	*	0.0	11.1	*	50.0	15.9	*
Open Reduction of Hip Fracture	4	0.0	6.4	*	0.0	13.5	*	50.0	19.2	*
Prostatectomy	10	0.0	1.0	*	0.0	2.6	*	0.0	4.7	*
Cholecystectomy	4	25.0	4.7	*	25.0	7.4	*	50.0	8.6	*
Hysterectomy	1	0.0	0.4	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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GIRARD MEDICAL CENTER

NORTH PHILADELPHIA
HEALTH SYSTEM
We care for the community.

ST. JOSEPH'S HOSPITAL

January 7, 1991

Sandra Kapput
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kapput:

The 1989 mortality data for Girard Medical Center is listed under North Philadelphia Health System. This is incorrect as the merger did not occur until 8/17/90 and this is data only for Girard Medical Center. St. Joseph's data is listed correctly for 1989.

Sincerely,

Marge Wynne, RNC, CPQA
Asst. V.P. for Quality Review

MW:etc

Eighth Street at Girard Avenue Philadelphia, Pennsylvania 19122 (215) 787-2000

NORTHEASTERN HOSPITAL

2301 E Allegheny Ave
Philadelphia, PA 19134

Medicare Provider Number: 390126

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,977	7.4	9.0	0.8	12.6	13.6	0.8	16.7	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	59	22.0	26.5	6.0	28.8	29.8	6.0	30.5	33.2	6.7
Congestive Heart Failure	141	5.7	13.7	3.9	16.3	21.1	4.7	24.8	27.5	4.0
Pneumonia/Influenza	64	6.3	14.7	6.6	14.1	20.0	6.2	17.2	24.4	6.8
Chronic Obstructive Pulmonary Disease	96	6.3	8.3	4.7	11.5	14.2	5.0	18.8	19.2	4.0
Transient Cerebral Ischemia	49	0.0	1.5	*	2.0	3.3	*	8.2	5.3	*
Stroke	89	18.0	19.8	6.0	21.3	25.4	6.9	22.5	29.5	8.7
Hip Fracture	40	2.5	8.3	*	5.0	14.5	*	7.5	18.4	*
Sepsis	16	56.3	30.6	*	62.5	40.3	*	62.5	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	9.1	*	20.0	15.6	*	30.0	21.3	*
Carotid Endarterectomy	5	0.0	0.9	*	0.0	1.6	*	20.0	2.4	*
Hip Replacement/Reconstruction	23	4.3	5.4	*	4.3	9.3	*	4.3	11.8	*
Open Reduction of Hip Fracture	18	0.0	9.3	*	5.6	17.3	*	11.1	22.4	*
Prostatectomy	83	0.0	1.5	2.7	3.6	3.5	3.1	9.6	5.7	3.5
Cholecystectomy	30	3.3	2.3	*	3.3	4.1	*	3.3	5.6	*
Hysterectomy	11	9.1	1.1	*	9.1	2.5	*	9.1	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 200
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 169
Percent of Physicians Board Certified Specialists 65
Medical Residents/Interns 13
Registered Nurses 203
Licensed Practical Nurses 25

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NORTHEASTERN HOSPITAL

Medicare Provider Number: 390126

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,987	7.6	9.8	1.0	13.1	14.8	1.0	17.5	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	95	21.1	26.8	7.8	25.3	30.2	7.3	30.5	33.7	6.4
Congestive Heart Failure	121	5.8	15.3	4.6	14.9	23.5	5.0	24.8	30.4	4.6
Pneumonia/Influenza	45	4.4	15.6	*	15.6	21.2	*	15.6	25.7	*
Chronic Obstructive Pulmonary Disease	72	4.2	8.4	5.9	13.9	14.4	7.5	16.7	19.5	5.5
Transient Cerebral Ischemia	59	0.0	1.8	2.3	3.4	3.8	2.6	6.8	6.0	3.2
Stroke	104	16.3	21.0	6.9	25.0	27.2	5.3	29.8	31.6	5.1
Hip Fracture	41	2.4	6.3	*	9.8	11.3	*	12.2	14.5	*
Sepsis	19	26.3	28.5	*	31.6	37.8	*	47.4	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	9.1	*	0.0	16.2	*	0.0	20.8	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	19	10.5	6.1	*	21.1	11.3	*	21.1	14.4	*
Open Reduction of Hip Fracture	24	0.0	5.4	*	4.2	10.3	*	8.3	13.4	*
Prostatectomy	78	2.6	1.5	1.7	2.6	3.7	2.3	3.8	5.9	3.3
Cholecystectomy	18	0.0	4.0	*	0.0	6.5	*	0.0	7.9	*
Hysterectomy	14	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,875	7.5	9.7	1.1	13.7	14.6	0.9	17.7	18.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	77	19.5	29.0	8.2	23.4	32.2	7.9	28.6	35.5	7.1
Congestive Heart Failure	115	14.8	17.8	6.2	24.3	26.9	6.6	32.2	34.2	5.0
Pneumonia/Influenza	52	17.3	16.2	5.2	26.9	21.8	6.7	30.8	26.3	7.5
Chronic Obstructive Pulmonary Disease	84	3.6	11.5	6.0	14.3	18.7	7.1	17.9	24.1	6.4
Transient Cerebral Ischemia	59	1.7	1.8	1.8	3.4	3.9	2.6	6.8	6.2	3.3
Stroke	73	5.5	19.6	6.6	12.3	25.4	6.8	17.8	29.6	6.8
Hip Fracture	32	12.5	6.2	*	15.6	11.1	*	18.8	14.4	*
Sepsis	18	44.4	34.3	*	61.1	44.3	*	72.2	51.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	5.7	*	6.3	10.3	*	12.5	14.0	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	12	0.0	3.4	*	0.0	6.7	*	8.3	9.0	*
Open Reduction of Hip Fracture	17	5.9	5.2	*	11.8	10.0	*	11.8	13.2	*
Prostatectomy	82	0.0	1.8	2.8	3.7	4.4	3.6	8.5	7.2	4.5
Cholecystectomy	28	3.6	4.9	*	7.1	7.9	*	7.1	9.2	*
Hysterectomy	11	0.0	0.5	*	9.1	1.1	*	27.3	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider #: 390126

NORTHEASTERN HOSPITAL OF PHILADELPHIA
2301 East Allegheny Avenue, Philadelphia, Pennsylvania 19134-4499, (215) 291-3000

January 11, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity of reviewing the Medicare Hospital Mortality Information to be published later this year. We realize the potential that the release of the Medicare Hospital Mortality Information has for quality assurance purposes. However, it is important that the public realize that there are major limitations in making objective decisions concerning the quality of care that is rendered to patients based solely on this information.

Northeastern Hospital of Philadelphia had an overall observed mortality rate that fell below the predicted mortality rate in all three time periods of 30, 90 and 180 days after admission. Northeastern Hospital of Philadelphia has always fallen within the predicted range of mortality for all of the diagnostic and procedural categories in all of the past years in which the mortality information has been published. The method of presentation of the data differs this year from past years in that the observed mortality rate is no longer displayed against a range of predicted mortality. Rather, a single point estimate is used as the point of comparison in all of the diagnostic and procedural categories.

The fact that there are no longer ranges of predicted mortality means that a hospital can fall above this point estimate, but still be within a range of predicted mortality, after calculating what the range would be using the standard deviation. However, when the number of cases in a category is small, a standard deviation cannot be estimated. Thus, it is impossible to determine a range of predicted mortality whenever a standard deviation cannot be estimated. In some of the categories for Northeastern Hospital of Philadelphia, a range of predicted mortality could not be calculated because the number of cases in these categories was too small. Consequently, even though the observed mortality rate may have been higher than the predicted rate, the rate may still be theoretically within a predicted range, but this predicted range could not be determined without a standard deviation. As a result, inappropriate conclusions may be drawn about the mortality rate.

All deaths which occur in the hospital are reviewed by major committees of the medical staff. There is an ongoing, active quality assurance program within the hospital. The medical staff, as well as everyone who provides patient care, strives to actively ensure that patients receive the highest quality of care.

In those categories in which the hospital's observed mortality rate was higher than the predicted mortality rate, a thorough review of the medical records of the pa-

tients in these categories revealed that there were no problems with the quality of care rendered to these patients. The review revealed that their deaths were inevitable and could not have been prevented. Many of the patients were so gravely ill that their families had requested that no extraordinary measures be taken to prolong their lives. Many had a multiplicity of problems, in addition to the problems for which they were admitted. Some were suffering from the end stages of cancer. As a review of these medical records indicates, it would be very erroneous to make judgments on the quality of care rendered to patients based solely on statistics concerning mortality rates.

We cannot overemphasize the fact that Northeastern Hospital of Philadelphia is committed to providing the highest quality of patient care. Again, we thank the Department of Health and Human Services for the opportunity of reviewing the Medicare Hospital Mortality Information, but we strongly recommend that caution be exercised before making judgments based on these statistics.

Sincerely,

William E. Parisi
President/CEO

WEP/fm

OHIO VALLEY GENERAL HOSPITAL

100 Heckel Rd
McKees Rocks, PA 15136

Medicare Provider Number: 390157

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,429	8.3	9.6	1.6	14.0	14.4	1.0	17.1	18.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	55	27.3	29.6	6.5	30.9	33.3	7.1	32.7	36.8	7.8
Congestive Heart Failure	79	15.2	16.4	4.6	24.1	25.0	5.0	26.6	32.0	7.1
Pneumonia/Influenza	77	10.4	19.3	6.5	16.9	25.9	7.8	20.8	31.0	7.6
Chronic Obstructive Pulmonary Disease	40	10.0	10.1	*	20.0	16.7	*	25.0	22.3	*
Transient Cerebral Ischemia	29	3.4	1.8	*	3.4	3.9	*	6.9	6.2	*
Stroke	62	22.6	20.6	5.8	30.6	28.2	6.1	35.5	32.7	6.6
Hip Fracture	33	9.1	6.8	*	12.1	12.0	*	15.2	15.5	*
Sepsis	13	38.5	26.2	*	46.2	35.5	*	46.2	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.3	*	0.0	5.5	*	0.0	9.0	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	19	5.3	3.9	*	5.3	7.3	*	5.3	9.7	*
Open Reduction of Hip Fracture	16	6.3	6.2	*	6.3	11.3	*	6.3	14.7	*
Prostatectomy	42	0.0	1.0	*	0.0	2.2	*	2.4	3.7	*
Cholecystectomy	23	4.3	2.5	*	13.0	4.4	*	13.0	5.7	*
Hysterectomy	11	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 122
Occupancy Rate 72
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 189
Percent of Physicians Board Certified Specialists 52
Medical Residents/Interns 0
Registered Nurses 119
Licensed Practical Nurses 26

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

OHIO VALLEY GENERAL HOSPITAL

Medicare Provider Number: 390157

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,427	9.7	10.2	0.9	15.4	15.4	1.2	19.1	19.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	51	29.4	26.8	10.1	35.3	29.8	10.6	37.3	33.1	9.5
Congestive Heart Failure	73	11.0	17.1	6.9	27.4	25.7	5.4	37.0	32.8	6.9
Pneumonia/Influenza	68	11.8	18.7	10.6	20.6	25.2	12.3	23.5	30.1	9.1
Chronic Obstructive Pulmonary Disease	31	3.2	10.6	*	9.7	17.3	*	12.9	22.7	*
Transient Cerebral Ischemia	28	3.6	1.9	*	10.7	4.0	*	10.7	6.3	*
Stroke	49	22.4	18.0	*	28.6	24.9	*	32.7	29.3	*
Hip Fracture	32	9.4	7.3	*	15.6	13.0	*	18.8	16.5	*
Sepsis	16	31.3	29.6	*	31.3	40.1	*	43.8	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.1	*	0.0	6.6	*	0.0	9.2	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*
Hip Replacement/Reconstruction	13	15.4	6.8	*	23.1	13.6	*	23.1	18.5	*
Open Reduction of Hip Fracture	21	4.8	6.4	*	14.3	12.0	*	14.3	15.7	*
Prostatectomy	44	0.0	2.4	*	2.3	4.4	*	6.8	6.4	*
Cholecystectomy	25	4.0	3.1	*	4.0	5.7	*	4.0	7.5	*
Hysterectomy	16	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,408	8.0	9.5	1.1	13.2	14.4	1.5	16.3	18.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	62	22.6	28.9	9.7	27.4	32.2	10.1	30.6	35.5	9.8
Congestive Heart Failure	90	15.6	17.4	4.3	27.8	25.8	6.0	31.1	32.8	7.8
Pneumonia/Influenza	51	13.7	19.7	10.1	21.6	26.4	8.7	29.4	31.6	7.7
Chronic Obstructive Pulmonary Disease	43	7.0	12.5	*	14.0	20.3	*	18.6	26.0	*
Transient Cerebral Ischemia	34	2.9	1.9	*	5.9	3.9	*	8.8	6.0	*
Stroke	45	20.0	22.6	*	31.1	30.4	*	31.1	35.2	*
Hip Fracture	30	3.3	6.8	*	10.0	12.0	*	13.3	15.6	*
Sepsis	9	33.3	32.3	*	44.4	39.8	*	44.4	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.5	*	0.0	9.5	*	0.0	12.8	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	13	0.0	4.3	*	0.0	8.2	*	0.0	10.8	*
Open Reduction of Hip Fracture	18	5.6	6.0	*	16.7	11.2	*	22.2	14.7	*
Prostatectomy	42	2.4	1.2	*	9.5	2.9	*	9.5	4.8	*
Cholecystectomy	29	0.0	2.7	*	0.0	4.5	*	3.4	5.6	*
Hysterectomy	22	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

OIL CITY AREA HEALTH CENTER INC

174 East Bissell St
Oil City, PA 16301

Medicare Provider Number: 390171

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	960	8.1	9.1	1.5	12.4	13.4	1.7	15.9	17.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	32.0	*	25.0	35.0	*	30.0	38.5	*
Congestive Heart Failure	48	12.5	19.2	*	22.9	29.0	*	35.4	36.5	*
Pneumonia/Influenza	33	18.2	17.5	*	27.3	23.4	*	36.4	28.4	*
Chronic Obstructive Pulmonary Disease	10	10.0	8.8	*	10.0	14.0	*	10.0	18.6	*
Transient Cerebral Ischemia	21	4.8	2.6	*	4.8	6.2	*	9.5	10.0	*
Stroke	35	22.9	22.1	*	25.7	29.1	*	31.4	33.8	*
Hip Fracture	17	11.8	7.1	*	17.6	12.7	*	23.5	16.8	*
Sepsis	15	13.3	30.4	*	33.3	38.2	*	33.3	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.1	*	0.0	6.6	*	11.1	10.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	6.2	*	8.3	11.6	*	16.7	15.4	*
Open Reduction of Hip Fracture	7	14.3	5.2	*	28.6	9.8	*	28.6	13.0	*
Prostatectomy	25	0.0	0.9	*	0.0	2.2	*	4.0	3.8	*
Cholecystectomy	21	0.0	2.0	*	4.8	3.4	*	9.5	4.4	*
Hysterectomy	8	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	133
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	119
Licensed Practical Nurses	35

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

OIL CITY AREA HEALTH CENTER INC

Medicare Provider Number: 390171

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,035	8.4	10.0	1.1	13.9	14.9	1.3	17.3	18.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	45	26.7	31.4	*	37.8	35.2	*	40.0	39.2	*
Congestive Heart Failure	66	13.6	17.3	6.0	27.3	26.1	5.8	31.8	33.1	5.9
Pneumonia/Influenza	33	24.2	20.1	*	30.3	26.9	*	30.3	32.0	*
Chronic Obstructive Pulmonary Disease	11	9.1	9.4	*	9.1	16.0	*	18.2	21.7	*
Transient Cerebral Ischemia	31	3.2	2.2	*	6.5	5.0	*	9.7	8.0	*
Stroke	41	22.0	22.7	*	29.3	29.7	*	29.3	34.4	*
Hip Fracture	23	17.4	11.7	*	26.1	20.0	*	34.8	24.5	*
Sepsis	15	20.0	26.1	*	20.0	34.1	*	20.0	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	7.0	*	11.1	10.9	*	11.1	14.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	14.3	5.2	*	28.6	9.8	*	28.6	12.8	*
Open Reduction of Hip Fracture	13	15.4	12.9	*	15.4	22.7	*	30.8	27.9	*
Prostatectomy	24	0.0	3.7	*	4.2	6.2	*	8.3	8.7	*
Cholecystectomy	25	0.0	3.1	*	0.0	5.1	*	4.0	6.2	*
Hysterectomy	9	0.0	0.5	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	953	10.5	9.4	1.2	13.7	14.2	1.2	17.0	18.1	1.5
CONDITIONS:										
Acute Myocardial Infarction	29	34.5	28.5	*	37.9	31.5	*	37.9	34.7	*
Congestive Heart Failure	50	16.0	17.8	*	28.0	26.7	*	34.0	33.9	*
Pneumonia/Influenza	36	11.1	17.8	*	13.9	23.5	*	19.4	28.2	*
Chronic Obstructive Pulmonary Disease	10	10.0	7.5	*	20.0	14.1	*	20.0	19.4	*
Transient Cerebral Ischemia	24	0.0	2.4	*	0.0	5.3	*	8.3	8.6	*
Stroke	31	16.1	21.0	*	16.1	28.4	*	16.1	32.9	*
Hip Fracture	14	7.1	8.1	*	14.3	14.2	*	14.3	18.2	*
Sepsis	22	22.7	28.9	*	36.4	38.8	*	36.4	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	8.1	*	0.0	12.2	*	33.3	15.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	16.7	4.2	*	16.7	8.4	*	16.7	11.8	*
Open Reduction of Hip Fracture	6	16.7	10.3	*	33.3	18.2	*	33.3	23.0	*
Prostatectomy	27	0.0	1.3	*	0.0	3.2	*	3.7	5.2	*
Cholecystectomy	16	0.0	1.4	*	0.0	2.7	*	0.0	3.7	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PALMERTON HOSPITAL

135 Lafayette Ave
Palmerton, PA 18071

Medicare Provider Number: 390019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	709	6.5	8.8	1.5	10.2	13.3	1.8	13.4	17.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	18	11.1	20.5	*	16.7	24.5	*	16.7	28.3	*
Congestive Heart Failure	42	14.3	14.5	*	16.7	22.7	*	23.8	29.5	*
Pneumonia/Influenza	43	18.6	14.5	*	20.9	20.0	*	20.9	24.4	*
Chronic Obstructive Pulmonary Disease	7	14.3	7.5	*	14.3	12.1	*	14.3	16.2	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Stroke	38	21.1	19.4	*	23.7	26.2	*	28.9	30.6	*
Hip Fracture	10	0.0	8.1	*	0.0	13.7	*	10.0	17.4	*
Sepsis	7	28.6	27.3	*	28.6	32.0	*	28.6	37.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	5.2	*	16.7	8.9	*	33.3	12.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.9	*	0.0	12.2	*	14.3	15.9	*
Open Reduction of Hip Fracture	5	0.0	7.6	*	0.0	13.1	*	0.0	16.7	*
Prostatectomy	39	2.6	1.5	*	5.1	3.4	*	7.7	5.4	*
Cholecystectomy	16	0.0	3.2	*	6.3	6.4	*	12.5	8.9	*
Hysterectomy	7	0.0	1.5	*	0.0	3.5	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 70
Occupancy Rate 49
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 44
Percent of Physicians Board Certified Specialists 48
Medical Residents/Interns 0
Registered Nurses 54
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PALMERTON HOSPITAL

Medicare Provider Number: 390019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	722	8.2	8.8	1.2	11.8	13.2	1.5	15.2	16.9	1.6
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	26.0	*	26.7	29.1	*	26.7	32.7	*
Congestive Heart Failure	31	9.7	19.0	*	22.6	26.8	*	35.5	33.2	*
Pneumonia/Influenza	42	2.4	14.5	*	4.8	19.6	*	14.3	23.8	*
Chronic Obstructive Pulmonary Disease	10	0.0	6.2	*	0.0	11.9	*	0.0	17.0	*
Transient Cerebral Ischemia	9	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	33	18.2	17.2	*	24.2	23.1	*	24.2	27.5	*
Hip Fracture	6	0.0	8.4	*	0.0	13.8	*	0.0	17.6	*
Sepsis	7	14.3	21.7	*	14.3	27.4	*	28.6	32.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	5.3	*	0.0	9.5	*	0.0	13.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.5	*	0.0	9.0	*	0.0	12.1	*
Open Reduction of Hip Fracture	3	0.0	10.8	*	0.0	17.5	*	0.0	21.7	*
Prostatectomy	39	0.0	1.3	*	0.0	3.1	*	2.6	5.0	*
Cholecystectomy	19	0.0	1.6	*	0.0	2.8	*	5.3	3.7	*
Hysterectomy	9	0.0	0.3	*	11.1	0.6	*	11.1	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	679	7.5	9.2	1.6	12.1	13.5	1.7	15.6	17.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	28.3	*	29.0	31.3	*	29.0	34.8	*
Congestive Heart Failure	46	19.6	14.9	*	28.3	22.3	*	30.4	28.8	*
Pneumonia/Influenza	37	13.5	16.7	*	21.6	22.0	*	24.3	26.7	*
Chronic Obstructive Pulmonary Disease	14	0.0	9.2	*	0.0	15.2	*	0.0	20.0	*
Transient Cerebral Ischemia	14	7.1	2.0	*	7.1	4.4	*	14.3	7.1	*
Stroke	31	19.4	20.4	*	22.6	26.6	*	32.3	31.3	*
Hip Fracture	8	0.0	7.6	*	12.5	13.0	*	12.5	16.7	*
Sepsis	2	50.0	34.8	*	100.0	42.4	*	100.0	49.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.6	*	0.0	4.7	*	0.0	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	5	0.0	7.8	*	20.0	13.8	*	20.0	17.8	*
Prostatectomy	32	0.0	1.5	*	6.3	3.7	*	9.4	6.2	*
Cholecystectomy	14	0.0	1.4	*	0.0	2.2	*	0.0	2.8	*
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PAOLI MEMORIAL HOSPITAL

Lancaster Ave
Paoli, PA 19301

Medicare Provider Number: 390153

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,553	7.1	7.6	0.9	11.0	11.9	1.1	14.1	15.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	42	19.0	27.2	*	31.0	31.2	*	31.0	34.7	*
Congestive Heart Failure	76	11.8	14.5	5.4	19.7	22.7	5.8	30.3	29.6	5.3
Pneumonia/Influenza	40	17.5	14.5	*	27.5	19.9	*	27.5	24.4	*
Chronic Obstructive Pulmonary Disease	32	12.5	9.3	*	18.8	15.7	*	18.8	21.2	*
Transient Cerebral Ischemia	24	0.0	2.0	*	0.0	4.6	*	0.0	7.5	*
Stroke	54	20.4	19.9	6.2	25.9	26.1	6.0	33.3	30.2	10.0
Hip Fracture	47	2.1	6.6	*	6.4	12.1	*	8.5	15.9	*
Sepsis	17	5.9	23.4	*	23.5	30.2	*	35.3	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	2.8	*	6.7	6.2	*	6.7	9.8	*
Carotid Endarterectomy	4	0.0	1.9	*	25.0	4.1	*	25.0	6.4	*
Hip Replacement/Reconstruction	34	0.0	2.3	*	0.0	4.2	*	0.0	5.5	*
Open Reduction of Hip Fracture	26	3.8	5.5	*	3.8	10.5	*	7.7	14.1	*
Prostatectomy	70	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	33	0.0	2.6	*	3.0	4.9	*	3.0	6.7	*
Hysterectomy	6	0.0	2.2	*	0.0	5.2	*	0.0	8.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 180
Occupancy Rate 66
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 130
Percent of Physicians Board Certified Specialists 85
Medical Residents/Interns 0
Registered Nurses 206
Licensed Practical Nurses 12

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PAOLI MEMORIAL HOSPITAL

Medicare Provider Number: 390153

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,544	8.2	8.2	0.9	13.1	12.7	1.1	16.9	16.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	46	21.7	27.3	*	26.1	31.3	*	28.3	35.1	*
Congestive Heart Failure	72	15.3	18.5	5.5	31.9	27.7	6.9	43.1	35.1	8.3
Pneumonia/Influenza	33	15.2	16.5	*	21.2	22.7	*	24.2	27.5	*
Chronic Obstructive Pulmonary Disease	40	12.5	9.7	*	17.5	16.1	*	30.0	21.5	*
Transient Cerebral Ischemia	22	4.5	2.4	*	9.1	5.6	*	13.6	8.9	*
Stroke	60	20.0	20.2	5.7	25.0	27.5	6.8	31.7	32.2	6.1
Hip Fracture	50	4.0	6.5	*	8.0	12.0	*	14.0	15.7	*
Sepsis	15	46.7	24.1	*	60.0	31.5	*	60.0	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	4.6	*	11.8	7.9	*	11.8	11.0	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	32	3.1	3.3	*	6.3	6.3	*	6.3	8.4	*
Open Reduction of Hip Fracture	26	3.8	5.5	*	7.7	10.6	*	19.2	14.2	*
Prostatectomy	75	2.7	1.1	1.8	6.7	2.6	3.6	9.3	4.5	5.2
Cholecystectomy	37	8.1	3.7	*	10.8	6.8	*	10.8	8.8	*
Hysterectomy	11	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,458	7.5	7.9	0.8	12.1	12.3	0.9	15.8	15.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	41	24.4	27.8	*	26.8	31.6	*	29.3	35.2	*
Congestive Heart Failure	51	17.6	16.4	6.4	33.3	24.5	8.8	43.1	31.4	12.4
Pneumonia/Influenza	41	12.2	16.2	*	24.4	22.3	*	26.8	27.1	*
Chronic Obstructive Pulmonary Disease	31	9.7	9.4	*	16.1	16.4	*	22.6	22.0	*
Transient Cerebral Ischemia	31	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Stroke	56	26.8	20.8	7.0	33.9	28.2	9.0	42.9	32.8	12.1
Hip Fracture	27	0.0	6.3	*	7.4	11.4	*	11.1	14.8	*
Sepsis	10	30.0	22.1	*	30.0	29.6	*	30.0	35.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.0	*	0.0	7.3	*	0.0	9.9	*
Carotid Endarterectomy	1	0.0	4.7	*	0.0	11.9	*	0.0	19.2	*
Hip Replacement/Reconstruction	32	0.0	2.1	*	6.3	4.0	*	6.3	5.3	*
Open Reduction of Hip Fracture	12	0.0	5.4	*	0.0	10.1	*	8.3	13.2	*
Prostatectomy	75	4.0	1.2	2.1	5.3	2.9	3.4	9.3	4.8	3.6
Cholecystectomy	38	2.6	4.2	*	7.9	7.1	*	10.5	8.9	*
Hysterectomy	11	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PENNSYLVANIA HOSPITAL

8th & Spruce Sts
Philadelphia, PA 19107

Medicare Provider Number: 390226

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,194	4.8	6.7	0.5	8.3	11.0	0.6	11.5	14.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	45	20.0	27.5	*	28.9	31.5	*	31.1	35.3	*
Congestive Heart Failure	96	14.6	14.6	4.4	20.8	23.0	4.7	31.2	29.9	5.0
Pneumonia/Influenza	51	7.8	14.1	10.0	13.7	19.1	9.9	17.6	23.3	9.9
Chronic Obstructive Pulmonary Disease	24	0.0	8.2	*	4.2	14.6	*	12.5	20.2	*
Transient Cerebral Ischemia	30	0.0	1.9	*	10.0	4.1	*	13.3	6.2	*
Stroke	53	5.7	20.9	7.6	9.4	27.2	7.9	17.0	31.5	7.8
Hip Fracture	38	2.6	6.1	*	2.6	11.4	*	2.6	15.0	*
Sepsis	17	35.3	24.5	*	47.1	32.9	*	52.9	39.6	*
PROCEDURES:										
Angioplasty	14	0.0	2.3	*	0.0	3.0	*	0.0	3.9	*
Coronary Artery Bypass Graft	33	6.1	6.9	*	15.2	9.5	*	18.2	11.1	*
Initial Pacemaker Insertion	21	0.0	3.1	*	4.8	5.8	*	4.8	8.2	*
Carotid Endarterectomy	20	0.0	1.8	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	269	0.0	1.1	1.1	0.4	2.1	1.6	0.7	3.0	2.0
Open Reduction of Hip Fracture	19	5.3	6.1	*	5.3	11.6	*	5.3	15.3	*
Prostatectomy	160	0.6	1.1	0.9	0.6	2.6	1.6	2.5	4.4	2.3
Cholecystectomy	38	2.6	4.3	*	2.6	8.3	*	5.3	11.1	*
Hysterectomy	41	0.0	1.6	*	0.0	3.9	*	0.0	6.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 460
Occupancy Rate 78
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 306
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 115
Registered Nurses 528
Licensed Practical Nurses 87

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PENNSYLVANIA HOSPITAL

Medicare Provider Number: 390226

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,107	5.4	8.0	0.6	10.1	12.8	0.7	12.6	16.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	51	13.7	28.0	8.1	15.7	31.9	8.8	15.7	35.5	9.8
Congestive Heart Failure	88	8.0	16.9	6.2	21.6	25.5	6.5	28.4	32.4	5.4
Pneumonia/Influenza	50	6.0	16.6	*	16.0	22.2	*	16.0	26.6	*
Chronic Obstructive Pulmonary Disease	15	0.0	8.9	*	6.7	15.1	*	6.7	20.1	*
Transient Cerebral Ischemia	23	0.0	1.4	*	0.0	3.0	*	4.3	4.8	*
Stroke	53	13.2	20.7	8.0	18.9	27.3	8.1	18.9	31.7	9.5
Hip Fracture	36	2.8	6.7	*	2.8	11.9	*	11.1	15.2	*
Sepsis	16	25.0	26.1	*	50.0	35.5	*	50.0	41.8	*
PROCEDURES:										
Angioplasty	14	0.0	2.7	*	0.0	3.5	*	0.0	4.6	*
Coronary Artery Bypass Graft	25	4.0	6.1	*	4.0	8.0	*	4.0	9.2	*
Initial Pacemaker Insertion	19	5.3	3.5	*	5.3	6.1	*	5.3	8.7	*
Carotid Endarterectomy	19	0.0	1.9	*	0.0	3.7	*	5.3	5.3	*
Hip Replacement/Reconstruction	208	0.5	1.2	1.0	0.5	2.2	1.4	1.0	3.0	1.8
Open Reduction of Hip Fracture	20	0.0	6.7	*	0.0	12.7	*	10.0	16.6	*
Prostatectomy	177	0.0	1.3	1.1	0.6	3.0	1.7	1.7	4.8	2.4
Cholecystectomy	49	0.0	4.4	*	4.1	8.6	*	4.1	11.5	*
Hysterectomy	42	0.0	0.9	*	2.4	1.9	*	2.4	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,836	4.6	8.1	0.9	9.9	13.1	0.7	13.0	16.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	56	17.9	26.3	8.8	26.8	30.5	10.7	26.8	34.3	9.8
Congestive Heart Failure	86	5.8	16.3	5.5	9.3	24.8	7.1	19.8	31.8	6.7
Pneumonia/Influenza	46	13.0	16.7	*	19.6	22.7	*	26.1	27.4	*
Chronic Obstructive Pulmonary Disease	16	6.3	13.0	*	25.0	21.5	*	37.5	28.3	*
Transient Cerebral Ischemia	16	0.0	2.9	*	6.3	6.4	*	6.3	9.8	*
Stroke	68	16.2	20.2	6.7	26.5	27.7	5.6	33.8	32.2	5.8
Hip Fracture	34	2.9	7.3	*	8.8	12.8	*	8.8	16.2	*
Sepsis	13	23.1	28.7	*	46.2	36.4	*	46.2	42.8	*
PROCEDURES:										
Angioplasty	1	0.0	2.5	*	0.0	3.4	*	0.0	4.6	*
Coronary Artery Bypass Graft	10	0.0	8.0	*	0.0	10.6	*	0.0	12.3	*
Initial Pacemaker Insertion	20	0.0	3.0	*	10.0	5.9	*	10.0	8.7	*
Carotid Endarterectomy	21	0.0	2.1	*	4.8	4.2	*	4.8	6.1	*
Hip Replacement/Reconstruction	209	0.5	1.9	1.5	1.9	3.5	2.0	2.4	4.8	2.3
Open Reduction of Hip Fracture	14	0.0	4.7	*	0.0	8.9	*	0.0	11.9	*
Prostatectomy	139	0.0	1.3	1.3	1.4	3.1	1.9	2.9	5.1	3.0
Cholecystectomy	37	2.7	4.7	*	8.1	7.8	*	8.1	10.0	*
Hysterectomy	42	0.0	1.1	*	0.0	2.4	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PHILIPSBURG STATE GENERAL HOSPITAL

Loch Lomond Rd
Philipsburg, PA 16866

Medicare Provider Number: 390187

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	765	9.9	8.2	1.4	14.2	12.5	1.4	16.3	15.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	23.4	*	35.0	26.5	*	35.0	29.7	*
Congestive Heart Failure	42	19.0	15.6	*	21.4	23.3	*	28.6	30.0	*
Pneumonia/Influenza	23	13.0	15.2	*	26.1	20.9	*	39.1	25.3	*
Chronic Obstructive Pulmonary Disease	17	11.8	8.2	*	11.8	14.1	*	17.6	19.1	*
Transient Cerebral Ischemia	16	0.0	1.6	*	12.5	3.7	*	18.8	6.0	*
Stroke	28	14.3	18.7	*	14.3	25.1	*	14.3	29.4	*
Hip Fracture	20	5.0	6.8	*	5.0	12.1	*	10.0	15.5	*
Sepsis	3	66.7	43.6	*	66.7	49.6	*	66.7	55.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	*	0.0	3.9	*	0.0	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	4.7	*	25.0	8.8	*	25.0	11.8	*
Open Reduction of Hip Fracture	11	0.0	6.5	*	0.0	11.8	*	0.0	15.3	*
Prostatectomy	38	2.6	1.1	*	2.6	2.6	*	2.6	4.3	*
Cholecystectomy	17	0.0	1.9	*	0.0	3.5	*	0.0	4.8	*
Hysterectomy	7	0.0	0.5	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 101
Occupancy Rate 41
Ownership/Control ..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 27
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 0
Registered Nurses 96
Licensed Practical Nurses 9

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PHILIPSBURG STATE GENERAL HOSPITAL

Medicare Provider Number: 390187

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	812	10.5	9.6	1.2	15.4	14.0	1.4	19.0	17.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	42	35.7	26.0	*	38.1	29.2	*	38.1	32.7	*
Congestive Heart Failure	34	20.6	15.8	*	29.4	24.1	*	44.1	31.0	*
Pneumonia/Influenza	23	13.0	15.3	*	17.4	21.2	*	21.7	25.7	*
Chronic Obstructive Pulmonary Disease	13	15.4	9.5	*	30.8	16.0	*	46.2	21.4	*
Transient Cerebral Ischemia	14	14.3	2.4	*	14.3	5.4	*	14.3	8.6	*
Stroke	28	17.9	21.0	*	28.6	27.1	*	28.6	31.2	*
Hip Fracture	19	0.0	5.4	*	0.0	10.5	*	0.0	14.1	*
Sepsis	22	18.2	39.3	*	40.9	46.1	*	45.5	52.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	100.0	29.7	*	100.0	34.6	*	100.0	39.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	2.6	*	0.0	5.4	*	6.7	7.7	*
Open Reduction of Hip Fracture	12	0.0	4.3	*	0.0	8.4	*	0.0	11.4	*
Prostatectomy	40	2.5	1.2	*	5.0	3.0	*	10.0	4.8	*
Cholecystectomy	21	4.8	2.1	*	4.8	3.7	*	4.8	4.9	*
Hysterectomy	9	0.0	1.8	*	0.0	3.5	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	842	8.8	9.5	1.4	13.7	14.0	1.8	16.9	17.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	43	18.6	25.1	*	20.9	28.0	*	25.6	31.1	*
Congestive Heart Failure	37	16.2	16.9	*	24.3	25.6	*	27.0	32.7	*
Pneumonia/Influenza	28	3.6	16.2	*	7.1	22.6	*	17.9	27.3	*
Chronic Obstructive Pulmonary Disease	20	0.0	8.9	*	0.0	15.5	*	10.0	21.0	*
Transient Cerebral Ischemia	19	10.5	2.3	*	15.8	5.1	*	15.8	8.2	*
Stroke	32	25.0	20.5	*	31.3	27.5	*	31.3	32.2	*
Hip Fracture	24	8.3	6.6	*	16.7	11.9	*	20.8	15.5	*
Sepsis	15	33.3	37.9	*	33.3	44.8	*	40.0	51.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.5	*	0.0	6.8	*	0.0	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	2.8	*	7.1	5.5	*	7.1	7.6	*
Open Reduction of Hip Fracture	17	5.9	6.0	*	17.6	11.4	*	23.5	15.0	*
Prostatectomy	32	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	11	9.1	2.1	*	9.1	3.6	*	9.1	4.6	*
Hysterectomy	9	0.0	0.6	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PHOENIXVILLE HOSPITAL

144 Nutt Road
Phoenixville, PA 19460

Medicare Provider Number: 390127

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,609	8.4	8.4	0.8	12.2	12.8	0.9	15.7	16.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	68	33.8	25.4	8.0	38.2	28.9	8.7	39.7	32.3	8.3
Congestive Heart Failure	86	10.5	14.8	5.3	19.8	23.0	6.3	25.6	29.7	9.5
Pneumonia/Influenza	76	14.5	14.9	4.4	18.4	20.2	5.2	23.7	24.7	5.3
Chronic Obstructive Pulmonary Disease	19	0.0	9.6	*	10.5	16.4	*	15.8	21.6	*
Transient Cerebral Ischemia	42	0.0	1.7	*	2.4	3.8	*	7.1	6.0	*
Stroke	71	15.5	18.5	6.7	18.3	25.4	8.7	23.9	29.8	8.7
Hip Fracture	29	13.8	6.4	*	13.8	11.0	*	20.7	14.1	*
Sepsis	12	33.3	21.4	*	41.7	28.3	*	41.7	33.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.1	*	0.0	4.3	*	0.0	6.5	*
Carotid Endarterectomy	6	16.7	0.9	*	16.7	1.6	*	16.7	2.3	*
Hip Replacement/Reconstruction	20	0.0	2.6	*	0.0	4.5	*	5.0	5.7	*
Open Reduction of Hip Fracture	13	15.4	5.4	*	15.4	9.7	*	15.4	12.5	*
Prostatectomy	51	3.9	0.8	3.3	3.9	1.9	2.6	3.9	3.3	2.6
Cholecystectomy	34	2.9	2.2	*	5.9	3.9	*	5.9	5.2	*
Hysterectomy	8	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 140
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 116
Percent of Physicians Board Certified Specialists 84
Medical Residents/Interns 0
Registered Nurses 176
Licensed Practical Nurses 7

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PHOENIXVILLE HOSPITAL

Medicare Provider Number: 390127

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,612	9.1	9.1	1.0	14.5	13.9	1.3	18.1	17.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	47	34.0	24.8	*	38.3	28.9	*	40.4	32.6	*
Congestive Heart Failure	84	16.7	17.2	4.3	25.0	26.3	6.4	31.0	33.4	8.2
Pneumonia/Influenza	89	7.9	15.7	5.3	16.9	21.4	5.2	22.5	25.9	5.2
Chronic Obstructive Pulmonary Disease	26	7.7	10.3	*	23.1	17.0	*	30.8	22.8	*
Transient Cerebral Ischemia	29	0.0	2.1	*	3.4	4.8	*	3.4	7.7	*
Stroke	71	19.7	19.7	7.7	28.2	26.7	8.9	33.8	31.2	6.3
Hip Fracture	44	2.3	6.1	*	11.4	10.9	*	15.9	14.2	*
Sepsis	10	20.0	24.5	*	30.0	32.9	*	30.0	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.6	*	0.0	6.6	*	0.0	9.9	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	20	0.0	2.6	*	5.0	4.6	*	5.0	6.0	*
Open Reduction of Hip Fracture	21	0.0	5.2	*	9.5	10.0	*	9.5	13.3	*
Prostatectomy	52	0.0	0.9	1.5	0.0	2.2	2.8	3.8	3.7	2.6
Cholecystectomy	37	2.7	1.6	*	5.4	2.7	*	5.4	3.5	*
Hysterectomy	13	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,556	7.6	8.7	1.0	12.3	13.4	1.1	15.6	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	24.7	*	40.0	27.7	*	42.0	30.8	*
Congestive Heart Failure	79	11.4	17.1	6.5	27.8	26.3	5.7	30.4	33.8	6.2
Pneumonia/Influenza	78	9.0	16.2	7.0	19.2	22.1	5.4	25.6	27.1	5.4
Chronic Obstructive Pulmonary Disease	24	4.2	7.6	*	4.2	13.2	*	4.2	17.8	*
Transient Cerebral Ischemia	39	0.0	2.1	*	5.1	4.7	*	7.7	7.4	*
Stroke	53	18.9	22.7	8.3	20.8	30.6	10.9	28.3	35.4	10.7
Hip Fracture	32	3.1	7.0	*	12.5	12.4	*	12.5	15.9	*
Sepsis	13	0.0	26.0	*	7.7	32.1	*	7.7	37.5	*
PROCEDURES:										
Angioplasty	4	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.5	*	0.0	5.4	*	10.0	8.5	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	21	0.0	3.4	*	4.8	6.4	*	4.8	8.7	*
Open Reduction of Hip Fracture	7	0.0	6.7	*	0.0	12.3	*	0.0	15.8	*
Prostatectomy	71	1.4	0.9	1.8	5.6	2.3	3.4	5.6	3.9	3.9
Cholecystectomy	27	7.4	3.0	*	7.4	4.9	*	14.8	6.2	*
Hysterectomy	12	0.0	1.0	*	8.3	1.5	*	8.3	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

POCONO MEDICAL CENTER

206 E Brown St
East Stroudsburg, PA 18301

Medicare Provider Number: 390201

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,128	8.5	10.0	0.9	13.8	14.9	0.9	18.0	18.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	73	21.9	25.3	8.3	24.7	28.7	8.0	30.1	32.1	7.0
Congestive Heart Failure	119	14.3	15.7	3.5	27.7	24.0	5.2	33.6	30.9	6.0
Pneumonia/Influenza	108	22.2	18.1	5.6	26.9	24.7	6.8	34.3	29.7	7.7
Chronic Obstructive Pulmonary Disease	50	2.0	8.0	*	8.0	13.6	*	14.0	18.6	*
Transient Cerebral Ischemia	52	3.8	2.0	3.1	7.7	4.4	5.3	9.6	6.9	6.6
Stroke	139	13.7	19.5	4.7	23.7	25.9	4.0	29.5	30.2	4.0
Hip Fracture	62	9.7	7.0	4.4	12.9	12.7	4.3	14.5	16.5	5.1
Sepsis	29	20.7	32.3	*	41.4	40.8	*	44.8	47.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	2.8	*	0.0	5.4	*	0.0	7.7	*
Carotid Endarterectomy	16	6.3	1.4	*	6.3	2.7	*	6.3	4.0	*
Hip Replacement/Reconstruction	37	2.7	3.9	*	2.7	7.2	*	5.4	9.5	*
Open Reduction of Hip Fracture	20	10.0	6.3	*	15.0	11.9	*	15.0	15.8	*
Prostatectomy	110	1.8	1.1	1.1	1.8	2.6	2.6	7.3	4.3	2.9
Cholecystectomy	61	0.0	2.4	2.5	1.6	4.2	3.3	1.6	5.3	3.7
Hysterectomy	15	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 233
Occupancy Rate 81
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 106
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 0
Registered Nurses 270
Licensed Practical Nurses 35

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

POCONO MEDICAL CENTER

Medicare Provider Number: 390201

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,198	7.2	10.2	1.0	12.6	15.0	0.9	16.2	18.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	103	16.5	28.0	7.1	21.4	31.9	7.6	23.3	35.8	7.8
Congestive Heart Failure	119	12.6	15.1	3.7	19.3	22.8	4.3	28.6	29.2	4.2
Pneumonia/Influenza	79	11.4	18.8	5.2	24.1	25.2	5.0	30.4	30.0	5.2
Chronic Obstructive Pulmonary Disease	56	7.1	8.9	3.9	19.6	14.9	5.6	25.0	19.9	6.2
Transient Cerebral Ischemia	40	2.5	1.8	*	2.5	3.8	*	5.0	6.0	*
Stroke	141	13.5	21.3	5.2	19.9	27.9	5.8	26.2	32.5	5.5
Hip Fracture	57	3.5	6.5	4.5	10.5	11.8	5.6	12.3	15.2	5.5
Sepsis	35	20.0	24.9	*	34.3	32.6	*	37.1	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	9.7	*	0.0	13.2	*	4.3	16.6	*
Carotid Endarterectomy	13	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	30	0.0	2.3	*	3.3	4.5	*	3.3	6.0	*
Open Reduction of Hip Fracture	28	3.6	6.0	*	7.1	11.5	*	7.1	15.1	*
Prostatectomy	153	0.0	0.9	1.0	0.0	2.0	1.7	0.7	3.3	2.0
Cholecystectomy	56	7.1	4.5	3.8	8.9	7.7	4.0	12.5	9.7	5.0
Hysterectomy	17	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,126	9.4	11.3	1.0	15.0	16.4	1.3	18.2	20.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	98	30.6	33.5	6.2	39.8	37.0	7.2	43.9	40.6	5.3
Congestive Heart Failure	113	7.1	18.9	4.8	13.3	28.0	5.8	22.1	35.0	5.8
Pneumonia/Influenza	98	14.3	20.5	5.7	27.6	27.4	4.7	31.6	32.8	4.8
Chronic Obstructive Pulmonary Disease	67	6.0	13.0	5.3	10.4	21.0	7.2	13.4	27.1	8.4
Transient Cerebral Ischemia	39	7.7	2.1	*	7.7	4.5	*	7.7	7.2	*
Stroke	125	14.4	24.1	6.2	20.8	30.8	6.7	25.6	35.7	6.9
Hip Fracture	55	10.9	6.2	5.6	14.5	11.0	7.5	16.4	14.2	8.2
Sepsis	20	30.0	36.0	*	40.0	44.0	*	40.0	50.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.6	*	0.0	5.3	*	0.0	7.9	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	33	3.0	2.3	*	6.1	4.1	*	6.1	5.3	*
Open Reduction of Hip Fracture	26	11.5	5.9	*	15.4	10.8	*	19.2	13.9	*
Prostatectomy	105	0.0	1.2	1.3	0.0	3.0	2.4	1.0	5.0	3.1
Cholecystectomy	50	2.0	4.1	*	2.0	7.1	*	2.0	8.9	*
Hysterectomy	14	0.0	0.8	*	0.0	1.7	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PODIATRY HOSPITAL OF PITTSBURGH

215 S Negley Ave
Pittsburgh, PA 15206

Medicare Provider Number: 390238

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	99	0.0	0.5	1.2	0.0	1.0	2.4	3.0	1.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	13
Occupancy Rate	23
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	110
Percent of Physicians Board Certified Specialists	43
Medical Residents/Interns	0
Registered Nurses	20
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PODIATRY HOSPITAL OF PITTSBURGH

Medicare Provider Number: 390238

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	105	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	145	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

POLYCLINIC MEDICAL CENTER

2601 North Third Street
Harrisburg, PA 17105

Medicare Provider Number: 390067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,641	8.3	7.8	0.7	13.1	12.0	1.1	16.1	15.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	84	33.3	27.8	8.5	34.5	31.2	7.8	38.1	34.7	7.1
Congestive Heart Failure	154	18.2	14.0	3.3	29.9	21.9	5.0	39.6	28.5	5.9
Pneumonia/Influenza	70	14.3	15.3	4.6	21.4	20.8	5.3	21.4	25.4	7.8
Chronic Obstructive Pulmonary Disease	25	8.0	7.4	*	12.0	13.0	*	20.0	17.8	*
Transient Cerebral Ischemia	50	2.0	1.6	*	4.0	3.5	*	8.0	5.5	*
Stroke	91	25.3	17.9	5.6	28.6	24.0	5.3	29.7	28.1	4.8
Hip Fracture	56	3.6	5.8	4.1	12.5	10.7	5.9	14.3	14.1	4.7
Sepsis	37	27.0	24.6	*	29.7	31.9	*	29.7	37.8	*
PROCEDURES:										
Angioplasty	34	0.0	1.6	*	0.0	2.2	*	0.0	2.9	*
Coronary Artery Bypass Graft	108	6.5	5.5	3.8	6.5	8.2	4.1	6.5	9.7	4.5
Initial Pacemaker Insertion	15	13.3	4.1	*	20.0	7.4	*	20.0	10.2	*
Carotid Endarterectomy	16	6.3	1.6	*	6.3	2.9	*	6.3	4.2	*
Hip Replacement/Reconstruction	51	0.0	2.2	2.7	3.9	4.2	3.4	5.9	5.7	3.3
Open Reduction of Hip Fracture	21	9.5	5.9	*	19.0	11.2	*	19.0	14.8	*
Prostatectomy	51	0.0	1.3	2.7	5.9	2.9	3.6	7.8	4.7	4.4
Cholecystectomy	60	1.7	2.7	2.8	1.7	4.6	4.0	1.7	5.9	4.6
Hysterectomy	9	0.0	1.2	*	11.1	2.5	*	11.1	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 506
Occupancy Rate 75
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 281
Percent of Physicians Board Certified Specialists 79
Medical Residents/Interns 35
Registered Nurses 375
Licensed Practical Nurses 86

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

POLYCLINIC MEDICAL CENTER

Medicare Provider Number: 390067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,667	9.7	8.9	0.9	14.1	13.4	1.1	17.8	16.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	74	41.9	29.7	8.5	43.2	33.0	8.4	44.6	36.6	7.7
Congestive Heart Failure	147	12.2	15.7	3.6	19.7	23.8	4.1	31.3	30.5	3.9
Pneumonia/Influenza	57	17.5	19.2	6.1	22.8	25.7	7.4	26.3	30.7	8.9
Chronic Obstructive Pulmonary Disease	36	11.1	8.3	*	11.1	14.4	*	13.9	19.8	*
Transient Cerebral Ischemia	38	0.0	2.2	*	5.3	5.0	*	5.3	7.8	*
Stroke	132	27.3	22.0	7.2	33.3	28.2	8.4	37.9	32.8	7.7
Hip Fracture	51	5.9	6.5	3.5	9.8	12.0	5.5	11.8	15.7	7.5
Sepsis	31	35.5	23.7	*	41.9	32.3	*	41.9	38.4	*
PROCEDURES:										
Angioplasty	21	0.0	2.1	*	0.0	2.7	*	4.8	3.6	*
Coronary Artery Bypass Graft	108	10.2	5.8	3.4	13.9	8.0	4.3	13.9	9.2	4.4
Initial Pacemaker Insertion	27	0.0	6.0	*	3.7	9.8	*	7.4	13.5	*
Carotid Endarterectomy	27	0.0	1.2	*	0.0	2.2	*	3.7	3.3	*
Hip Replacement/Reconstruction	47	0.0	2.9	*	2.1	5.6	*	2.1	7.5	*
Open Reduction of Hip Fracture	19	5.3	5.8	*	5.3	11.7	*	5.3	15.8	*
Prostatectomy	49	0.0	0.9	*	0.0	2.2	*	2.0	3.7	*
Cholecystectomy	74	5.4	3.8	2.6	9.5	6.7	3.7	9.5	8.5	3.8
Hysterectomy	19	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,556	10.0	9.0	0.9	14.6	13.4	1.2	18.3	17.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	85	40.0	30.7	6.9	44.7	33.9	7.7	48.2	37.1	7.8
Congestive Heart Failure	142	17.6	16.8	3.3	26.8	25.1	4.1	35.2	32.0	6.8
Pneumonia/Influenza	71	12.7	16.0	5.1	16.9	21.4	6.4	22.5	26.0	7.1
Chronic Obstructive Pulmonary Disease	37	13.5	10.9	*	27.0	17.9	*	29.7	23.2	*
Transient Cerebral Ischemia	44	6.8	1.8	*	6.8	4.0	*	11.4	6.2	*
Stroke	118	16.1	21.3	7.5	23.7	27.6	8.1	28.8	32.1	6.4
Hip Fracture	52	5.8	5.7	3.5	9.6	10.7	4.9	11.5	14.1	6.1
Sepsis	23	30.4	25.9	*	43.5	35.3	*	56.5	41.8	*
PROCEDURES:										
Angioplasty	10	0.0	1.4	*	0.0	2.0	*	0.0	2.9	*
Coronary Artery Bypass Graft	83	8.4	6.3	3.3	9.6	8.5	3.2	9.6	9.9	3.5
Initial Pacemaker Insertion	18	11.1	3.6	*	16.7	6.8	*	22.2	9.5	*
Carotid Endarterectomy	14	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	38	2.6	2.7	*	2.6	5.2	*	2.6	7.1	*
Open Reduction of Hip Fracture	26	3.8	4.9	*	7.7	9.7	*	11.5	13.1	*
Prostatectomy	41	2.4	0.9	*	4.9	2.2	*	4.9	3.8	*
Cholecystectomy	68	2.9	3.5	2.3	7.4	5.8	3.3	8.8	7.3	5.6
Hysterectomy	14	7.1	0.8	*	7.1	1.8	*	7.1	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

POTTSTOWN MEMORIAL MEDICAL CENTER

High St and Firestone Rd
Pottstown, PA 19464

Medicare Provider Number: 390123

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,984	10.1	9.3	0.9	15.2	14.1	1.3	18.6	18.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	59	45.8	26.9	9.4	49.2	30.3	9.7	54.2	34.2	10.0
Congestive Heart Failure	113	15.9	15.4	3.8	28.3	23.8	6.0	35.4	30.8	6.5
Pneumonia/Influenza	70	21.4	18.6	7.0	30.0	25.2	7.8	32.9	30.1	6.9
Chronic Obstructive Pulmonary Disease	46	6.5	6.4	*	8.7	11.6	*	13.0	16.4	*
Transient Cerebral Ischemia	46	2.2	1.8	*	4.3	4.0	*	6.5	6.3	*
Stroke	82	23.2	20.7	5.8	28.0	26.9	7.2	35.4	31.4	9.2
Hip Fracture	51	9.8	6.9	5.3	13.7	12.0	5.2	13.7	15.4	6.4
Sepsis	19	21.1	26.5	*	26.3	32.7	*	26.3	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.7	*	7.1	5.3	*	7.1	8.0	*
Carotid Endarterectomy	6	0.0	1.5	*	16.7	2.9	*	16.7	4.3	*
Hip Replacement/Reconstruction	31	6.5	3.3	*	6.5	6.2	*	6.5	8.1	*
Open Reduction of Hip Fracture	32	9.4	6.5	*	15.6	11.8	*	15.6	15.1	*
Prostatectomy	73	2.7	1.5	2.2	6.8	3.8	4.3	9.6	6.3	6.4
Cholecystectomy	38	2.6	3.4	*	7.9	6.0	*	10.5	7.8	*
Hysterectomy	21	0.0	0.6	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 239
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 102
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 0
Registered Nurses 247
Licensed Practical Nurses 32

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

POTTSTOWN MEMORIAL MEDICAL CENTER

Medicare Provider Number: 390123

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,040	8.9	8.9	0.7	14.0	13.8	0.8	18.1	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	55	27.3	28.1	6.1	30.9	31.9	6.4	34.5	35.9	7.1
Congestive Heart Failure	99	12.1	17.7	5.7	22.2	26.6	5.5	34.3	33.7	4.8
Pneumonia/Influenza	72	13.9	15.9	6.1	16.7	21.2	6.2	25.0	25.6	5.2
Chronic Obstructive Pulmonary Disease	43	7.0	9.8	*	14.0	16.4	*	23.3	22.3	*
Transient Cerebral Ischemia	67	6.0	2.5	3.1	10.4	5.4	4.2	14.9	8.6	6.1
Stroke	80	28.7	22.7	5.6	40.0	29.0	6.9	42.5	33.7	6.4
Hip Fracture	52	15.4	7.0	5.9	17.3	12.6	6.0	17.3	16.1	6.9
Sepsis	14	21.4	27.4	*	35.7	36.5	*	42.9	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	6.4	*	5.3	10.2	*	5.3	13.5	*
Carotid Endarterectomy	10	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	45	4.4	3.8	*	6.7	7.3	*	11.1	9.9	*
Open Reduction of Hip Fracture	30	16.7	5.8	*	20.0	10.9	*	20.0	14.3	*
Prostatectomy	70	0.0	1.0	1.6	1.4	2.6	2.2	2.9	4.4	2.8
Cholecystectomy	30	0.0	3.5	*	3.3	6.3	*	6.7	8.3	*
Hysterectomy	16	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,023	11.1	9.5	0.9	16.6	14.5	1.1	20.6	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	75	29.3	25.0	6.2	36.0	28.7	6.7	38.7	32.6	6.8
Congestive Heart Failure	115	24.3	17.0	5.0	33.9	25.8	5.6	41.7	33.2	5.9
Pneumonia/Influenza	58	15.5	16.6	6.0	27.6	21.9	7.2	29.3	26.3	8.1
Chronic Obstructive Pulmonary Disease	54	16.7	11.2	7.0	22.2	19.0	7.4	27.8	25.1	7.8
Transient Cerebral Ischemia	57	3.5	2.4	4.4	8.8	5.2	6.0	12.3	8.4	6.3
Stroke	70	27.1	21.3	6.5	37.1	27.5	7.1	47.1	32.1	8.6
Hip Fracture	38	7.9	6.4	*	7.9	11.7	*	13.2	15.5	*
Sepsis	21	23.8	32.6	*	28.6	41.1	*	52.4	48.4	*
PROCEDURES:										
Angioplasty	2	0.0	3.8	*	0.0	6.5	*	0.0	8.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	4.2	*	10.0	7.8	*	10.0	10.7	*
Carotid Endarterectomy	14	14.3	1.8	*	21.4	3.3	*	21.4	4.6	*
Hip Replacement/Reconstruction	28	0.0	3.0	*	0.0	5.8	*	0.0	7.9	*
Open Reduction of Hip Fracture	23	13.0	6.0	*	13.0	11.4	*	21.7	15.3	*
Prostatectomy	72	2.8	1.9	2.0	6.9	4.7	3.2	8.3	7.8	3.4
Cholecystectomy	36	5.6	4.5	*	8.3	7.2	*	11.1	9.3	*
Hysterectomy	15	0.0	0.3	*	6.7	0.5	*	6.7	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider Number: 390123
January 14, 1991

Pottstown Memorial
Medical Center

Progressive care with confidence.

HCFA MORTALITY REPORT COMMENTS

Pottstown Memorial Medical Center is dedicated to providing quality care to all those we serve. To insure that quality care is provided, we conduct hospital wide quality assurance activities on an on-going basis. Included in our quality assurance program is a review of all deaths, as well as, all high volume and high risk diagnosis and procedures.

Since receiving the HCFA mortality data, we have reviewed those cases included in the report analysis. In reviewing our data and the medical records of the patients contained in the HCFA mortality report, we identified at least two factors that we believe are of impact and may substantially account for the difference between the "expected" and the actual mortality rates. These factors are the age of the patient and their existing comorbid conditions. Although both of these elements were taken into consideration to some degree in developing the expected mortality rates, additional age categories and comorbid conditions should be included to derive a more accurate and meaningful comparison to actual results.

For example, our patients included in the mortalities were on average 83 years of age. However, age categories used by HCFA were: 1) Under 23 years, 2) Between 23 and 100 years, and 3) Over 100 years of age. There is a significant difference in how disease impacts, and how a patient responds to treatment, between a 23 year old patient and an 83 year old patient. To have such a broad age category can potentially effect the validity of the results. Also, complications and comorbid conditions have an impact on a patient's ability to respond to treatment and maintain long term good health. Although there were four categories of comorbid conditions considered in the HCFA mortality model, there were others that were not included. For example, pulmonary diseases were not included in the comorbid conditions and for our patients at Pottstown Memorial Medical Center their exclusion was significant. Ninety percent of our patients had on average two complications or comorbid conditions that were not included in the model and therefore, not reflected in the predicted mortality rates. We believe the combination of both limited age differentiation and comorbid conditions severely limits the validity of the mortality predictions, thereby making the comparisons of actual (observed) to predicted questionable and not a true reflection of any institution's quality.

As a result, we believe that quality is not being measured in this report and that the public may potentially be mislead to conclude that a hospital exceeding the expected mortality rate is providing a lesser level of quality care. Additionally, the difference between the expected mortality rate and the actual mortality rate, particularly for those patients that expired after they left the hospital, is difficult to interpret because of other factors outside of the hospital may have contributed to the death.

1600 East High Street
Pottstown, Pennsylvania 19464-5008
215-327-7000

VHA.
Member of Voluntary Hospitals of America, Inc.

The HCFA mortality report shows that there are degrees of variance in the rate but does not show why there are differences. The only way to monitor a hospital's performance is through internal quality assurance. Only through review of actual patient care given, can it be determined if there is a possible concern with the care provided.

Larry A. Crowell
President and CEO

POTTSVILLE HOSPITAL-WARNE CLINIC

420 S Jackson St
Pottsville, PA 17901

Medicare Provider Number: 390030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,563	11.1	9.2	1.1	16.5	13.9	1.3	20.6	17.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	66	36.4	27.5	11.0	40.9	30.5	11.2	42.4	34.0	10.2
Congestive Heart Failure	129	16.3	14.6	3.3	21.7	23.0	3.8	29.5	30.0	4.4
Pneumonia/Influenza	84	17.9	15.1	5.2	26.2	20.5	7.3	28.6	24.9	5.7
Chronic Obstructive Pulmonary Disease	32	3.1	6.6	*	6.3	11.9	*	9.4	16.6	*
Transient Cerebral Ischemia	69	1.4	1.9	3.1	5.8	4.4	4.5	10.1	7.1	5.4
Stroke	61	31.1	16.5	7.8	41.0	22.8	8.2	42.6	27.1	7.8
Hip Fracture	39	12.8	7.7	*	28.2	13.8	*	35.9	17.8	*
Sepsis	18	22.2	27.3	*	27.8	34.1	*	38.9	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	6.4	*	5.6	9.3	*	5.6	11.8	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	14	0.0	4.4	*	7.1	8.5	*	21.4	11.4	*
Open Reduction of Hip Fracture	18	27.8	8.7	*	55.6	16.0	*	55.6	20.7	*
Prostatectomy	40	0.0	1.6	*	2.5	3.4	*	5.0	5.6	*
Cholecystectomy	23	0.0	3.8	*	4.3	6.1	*	4.3	7.4	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 151
Occupancy Rate 88
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 122
Percent of Physicians Board Certified Specialists 65
Medical Residents/Interns 0
Registered Nurses 168
Licensed Practical Nurses 34

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

POTTSVILLE HOSPITAL-WARNE CLINIC

Medicare Provider Number: 390030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,719	9.8	9.0	1.0	14.5	13.4	1.1	18.0	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	83	21.7	26.0	7.1	26.5	29.6	6.3	32.5	33.4	5.3
Congestive Heart Failure	134	14.9	14.9	3.7	24.6	22.7	4.3	28.4	29.3	4.0
Pneumonia/Influenza	71	12.7	15.7	6.9	16.9	21.2	7.8	21.1	25.5	7.9
Chronic Obstructive Pulmonary Disease	23	8.7	11.3	*	17.4	18.1	*	21.7	23.9	*
Transient Cerebral Ischemia	44	4.5	1.8	*	4.5	4.0	*	9.1	6.3	*
Stroke	75	17.3	16.9	4.7	24.0	23.5	4.9	29.3	28.0	5.5
Hip Fracture	35	14.3	7.8	*	17.1	13.5	*	17.1	17.2	*
Sepsis	13	38.5	31.1	*	38.5	38.9	*	53.8	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.3	*	0.0	4.9	*	0.0	7.5	*
Carotid Endarterectomy	9	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	15	0.0	4.6	*	6.7	8.2	*	6.7	10.3	*
Open Reduction of Hip Fracture	15	13.3	4.9	*	13.3	9.4	*	13.3	12.5	*
Prostatectomy	43	4.7	2.1	*	4.7	4.4	*	7.0	6.7	*
Cholecystectomy	26	3.8	2.5	*	7.7	4.7	*	11.5	6.3	*
Hysterectomy	6	0.0	0.7	*	0.0	1.3	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,684	9.9	9.0	1.0	14.9	13.6	1.2	18.3	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	71	26.8	26.3	9.0	32.4	29.6	7.5	32.4	33.0	7.1
Congestive Heart Failure	136	15.4	15.1	3.3	24.3	22.5	4.2	29.4	28.8	5.4
Pneumonia/Influenza	51	5.9	16.3	10.5	13.7	21.4	10.1	19.6	25.8	8.8
Chronic Obstructive Pulmonary Disease	37	24.3	12.2	*	32.4	20.1	*	35.1	25.9	*
Transient Cerebral Ischemia	54	1.9	2.0	1.9	7.4	4.3	3.9	7.4	6.8	4.0
Stroke	74	24.3	20.6	4.9	32.4	27.9	5.5	47.3	32.5	7.4
Hip Fracture	32	12.5	6.5	*	18.8	11.3	*	31.3	14.7	*
Sepsis	10	50.0	38.8	*	60.0	47.0	*	60.0	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	2.5	*	6.7	4.8	*	6.7	6.9	*
Carotid Endarterectomy	5	0.0	1.9	*	0.0	3.4	*	0.0	4.8	*
Hip Replacement/Reconstruction	14	7.1	4.0	*	14.3	6.7	*	21.4	8.6	*
Open Reduction of Hip Fracture	14	14.3	5.1	*	14.3	9.8	*	28.6	13.2	*
Prostatectomy	38	2.6	1.6	*	2.6	3.8	*	2.6	6.1	*
Cholecystectomy	22	4.5	2.9	*	4.5	5.1	*	9.1	6.5	*
Hysterectomy	15	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PRESBYTERIAN-U OF PA MEDICAL CENTER

51 N 39th St
Philadelphia, PA 19104

Medicare Provider Number: 390223

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,345	8.8	8.8	0.6	14.8	13.9	0.8	18.3	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	64	28.1	27.8	6.0	31.3	30.7	5.9	34.4	34.0	6.0
Congestive Heart Failure	156	14.7	14.4	2.8	21.8	22.7	3.4	29.5	29.3	3.8
Pneumonia/Influenza	70	18.6	16.9	4.9	24.3	23.0	5.4	31.4	27.5	6.3
Chronic Obstructive Pulmonary Disease	17	11.8	9.8	*	11.8	16.6	*	23.5	22.3	*
Transient Cerebral Ischemia	15	0.0	1.6	*	0.0	3.7	*	0.0	5.9	*
Stroke	62	17.7	18.1	7.0	22.6	24.7	5.8	25.8	29.0	6.4
Hip Fracture	31	9.7	8.1	*	22.6	14.5	*	32.3	18.8	*
Sepsis	22	54.5	31.7	*	72.7	42.8	*	81.8	49.6	*
PROCEDURES:										
Angioplasty	48	0.0	2.2	*	0.0	3.0	*	0.0	3.8	*
Coronary Artery Bypass Graft	76	1.3	6.3	3.8	3.9	9.6	4.4	6.6	11.6	4.5
Initial Pacemaker Insertion	20	0.0	4.2	*	5.0	8.3	*	5.0	11.9	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	12	16.7	5.3	*	16.7	10.2	*	33.3	13.9	*
Open Reduction of Hip Fracture	17	5.9	7.8	*	23.5	14.2	*	29.4	18.1	*
Prostatectomy	47	4.3	1.7	*	4.3	4.0	*	4.3	6.3	*
Cholecystectomy	24	8.3	3.9	*	16.7	7.0	*	16.7	9.4	*
Hysterectomy	6	16.7	0.7	*	16.7	1.7	*	33.3	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 334
Occupancy Rate 74
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 361
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 95
Registered Nurses 368
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PRESBYTERIAN-U OF PA MEDICAL CENTER

Medicare Provider Number: 390223

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,564	8.3	9.5	0.7	14.4	14.5	0.7	18.4	18.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	28.1	7.0	27.6	32.1	7.2	32.8	35.8	6.9
Congestive Heart Failure	164	9.8	15.1	4.8	19.5	23.0	4.5	26.2	29.7	4.2
Pneumonia/Influenza	73	13.7	17.8	9.4	17.8	23.9	9.2	23.3	28.7	9.7
Chronic Obstructive Pulmonary Disease	22	9.1	12.7	*	13.6	21.4	*	18.2	28.0	*
Transient Cerebral Ischemia	29	0.0	2.0	*	3.4	4.5	*	6.9	7.4	*
Stroke	94	17.0	22.1	5.4	27.7	29.0	5.0	30.9	33.6	5.2
Hip Fracture	28	7.1	9.3	*	17.9	16.5	*	28.6	20.6	*
Sepsis	31	45.2	34.6	*	64.5	44.3	*	67.7	50.8	*
PROCEDURES:										
Angioplasty	32	0.0	2.3	*	0.0	3.0	*	6.3	3.9	*
Coronary Artery Bypass Graft	119	4.2	6.0	2.3	5.9	8.0	2.9	6.7	9.4	3.0
Initial Pacemaker Insertion	23	17.4	5.5	*	26.1	10.3	*	26.1	14.4	*
Carotid Endarterectomy	13	0.0	2.3	*	0.0	4.5	*	0.0	6.5	*
Hip Replacement/Reconstruction	20	0.0	3.7	*	5.0	6.9	*	10.0	8.9	*
Open Reduction of Hip Fracture	13	0.0	6.0	*	7.7	11.3	*	23.1	14.8	*
Prostatectomy	47	4.3	2.2	*	8.5	5.2	*	12.8	8.0	*
Cholecystectomy	21	9.5	5.1	*	19.0	8.8	*	19.0	11.0	*
Hysterectomy	10	0.0	1.1	*	10.0	2.4	*	20.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,548	6.5	9.2	1.0	11.7	14.2	0.9	15.5	17.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	49	12.2	31.4	*	24.5	34.8	*	26.5	38.0	*
Congestive Heart Failure	140	7.9	17.2	3.9	10.7	25.9	5.0	16.4	32.8	5.4
Pneumonia/Influenza	43	11.6	17.4	*	16.3	23.6	*	20.9	28.3	*
Chronic Obstructive Pulmonary Disease	18	5.6	14.8	*	16.7	23.2	*	16.7	29.0	*
Transient Cerebral Ischemia	23	0.0	1.9	*	0.0	4.4	*	0.0	7.0	*
Stroke	76	21.1	20.5	4.7	27.6	27.2	5.2	28.9	31.6	5.6
Hip Fracture	22	9.1	8.2	*	13.6	14.5	*	27.3	18.5	*
Sepsis	17	47.1	33.8	*	58.8	45.0	*	58.8	52.4	*
PROCEDURES:										
Angioplasty	30	0.0	3.2	*	0.0	4.6	*	0.0	6.1	*
Coronary Artery Bypass Graft	120	8.3	7.7	2.5	10.8	10.7	3.4	11.7	12.5	3.4
Initial Pacemaker Insertion	42	2.4	3.2	*	2.4	6.3	*	2.4	9.0	*
Carotid Endarterectomy	7	0.0	1.8	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction	11	0.0	5.8	*	0.0	10.4	*	18.2	13.3	*
Open Reduction of Hip Fracture	13	7.7	6.2	*	15.4	11.7	*	23.1	15.3	*
Prostatectomy	54	0.0	1.5	2.1	5.6	3.6	4.1	5.6	5.9	4.5
Cholecystectomy	22	0.0	4.7	*	4.5	7.7	*	4.5	9.7	*
Hysterectomy	6	0.0	1.1	*	0.0	2.5	*	16.7	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Presbyterian

Presbyterian Medical Center
of Philadelphia
39th and Market Streets
Philadelphia, Pennsylvania 19104
215-662-8904

James D. O'Dell
Chairman

January 15, 1991

Provider 390223

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Attn: Sandra Kappert

Dear Ms. Kappert:

Consumer awareness is especially important in health care, the most personal service any of us ever purchase. We endorse your policy of promoting dialogue on this important issue through the sharing of information.

Regarding the data, the difference between the observed and predicted mortality rates is slight and, as you noted, in more than half of the cases, the numbers are too small to be significant.

But information like this is still valuable. For Presbyterian, it is one more opportunity for us to evaluate the quality and appropriateness of the care our patients receive. Considering the critical importance of the service we provide, these intensive reviews have long been an essential daily activity. We welcome any opportunity to continue our efforts.

Sincerely,

I. Donald Snook, Jr.
President

PRESBYTERIAN-UNIV HOSPITAL OF PITTSBURGH

De Soto at O Hara Sts
Pittsburgh, PA 15213

Medicare Provider Number: 390164

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,409	7.3	8.5	0.7	11.7	13.5	0.7	14.7	17.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	79	20.3	25.3	5.7	24.1	28.6	5.9	25.3	32.0	6.8
Congestive Heart Failure	89	18.0	16.2	4.1	31.5	25.8	6.7	37.1	33.4	7.5
Pneumonia/Influenza	51	13.7	13.4	5.0	17.6	18.5	5.5	19.6	22.6	6.8
Chronic Obstructive Pulmonary Disease	32	9.4	8.5	*	15.6	14.4	*	15.6	19.4	*
Transient Cerebral Ischemia	42	0.0	1.6	*	2.4	3.6	*	7.1	5.8	*
Stroke	79	16.5	21.4	5.6	21.5	27.9	6.6	29.1	32.4	6.1
Hip Fracture	37	8.1	6.4	*	13.5	11.2	*	13.5	14.4	*
Sepsis	34	32.4	27.0	*	41.2	38.4	*	50.0	45.5	*
PROCEDURES:										
Angioplasty	60	0.0	3.7	4.4	1.7	4.8	4.1	3.3	6.0	4.0
Coronary Artery Bypass Graft	48	10.4	8.0	*	14.6	11.5	*	16.7	13.5	*
Initial Pacemaker Insertion	11	9.1	7.0	*	18.2	10.9	*	18.2	14.1	*
Carotid Endarterectomy	8	0.0	2.1	*	0.0	4.8	*	0.0	7.7	*
Hip Replacement/Reconstruction	86	1.2	1.4	1.7	2.3	2.8	2.3	2.3	4.1	2.7
Open Reduction of Hip Fracture	18	11.1	6.9	*	16.7	12.5	*	16.7	16.1	*
Prostatectomy	56	0.0	1.5	2.1	0.0	3.2	3.6	1.8	5.0	4.0
Cholecystectomy	53	7.5	5.3	4.8	11.3	9.8	4.7	13.2	13.4	4.7
Hysterectomy	3	0.0	1.7	*	0.0	3.8	*	0.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 570
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 579
Percent of Physicians Board Certified Specialists 86
Medical Residents/Interns 0
Registered Nurses 1,011
Licensed Practical Nurses 31

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

PRESBYTERIAN-UNIV HOSPITAL OF PITTSBURGH

Medicare Provider Number: 390164

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,600	7.1	8.4	0.5	11.6	13.2	0.6	14.6	17.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	75	30.7	29.2	5.9	32.0	32.7	5.6	33.3	36.5	6.2
Congestive Heart Failure	99	14.1	15.6	4.0	23.2	24.2	5.3	27.3	31.2	8.5
Pneumonia/Influenza	55	25.5	18.4	8.3	29.1	26.0	6.9	34.5	31.6	6.7
Chronic Obstructive Pulmonary Disease	38	7.9	8.4	*	10.5	15.3	*	23.7	21.2	*
Transient Cerebral Ischemia	49	2.0	1.5	*	2.0	3.1	*	4.1	4.8	*
Stroke	76	18.4	20.1	4.9	26.3	26.0	5.3	28.9	30.2	5.5
Hip Fracture	29	6.9	6.3	*	6.9	11.6	*	6.9	15.1	*
Sepsis	30	30.0	34.4	*	50.0	45.0	*	56.7	51.8	*
PROCEDURES:										
Angioplasty	45	2.2	4.2	*	8.9	5.9	*	8.9	7.4	*
Coronary Artery Bypass Graft	47	19.1	6.9	*	19.1	9.4	*	19.1	10.7	*
Initial Pacemaker Insertion	13	7.7	5.4	*	7.7	8.0	*	7.7	10.4	*
Carotid Endarterectomy	7	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	83	1.2	1.0	1.2	1.2	1.9	1.6	1.2	2.6	2.1
Open Reduction of Hip Fracture	17	5.9	5.2	*	5.9	9.8	*	5.9	13.0	*
Prostatectomy	57	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Cholecystectomy	46	0.0	3.3	*	0.0	6.6	*	0.0	9.2	*
Hysterectomy	1	0.0	2.5	*	100.0	5.1	*	100.0	7.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,455	6.6	8.3	0.7	11.5	13.2	0.8	15.4	17.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	63	15.9	25.0	9.9	19.0	28.4	10.5	22.2	31.9	10.7
Congestive Heart Failure	85	11.8	17.0	7.5	22.4	25.8	8.1	29.4	32.9	7.5
Pneumonia/Influenza	54	11.1	19.5	7.6	20.4	27.1	8.9	25.9	32.5	7.8
Chronic Obstructive Pulmonary Disease	46	8.7	11.0	*	23.9	18.1	*	30.4	23.4	*
Transient Cerebral Ischemia	37	0.0	1.8	*	5.4	3.7	*	8.1	5.8	*
Stroke	93	26.9	24.0	4.8	29.0	30.5	5.1	33.3	34.9	5.0
Hip Fracture	39	10.3	6.5	*	20.5	11.7	*	25.6	15.2	*
Sepsis	27	33.3	33.3	*	44.4	45.5	*	51.9	53.9	*
PROCEDURES:										
Angioplasty	30	3.3	5.7	*	3.3	7.1	*	6.7	8.5	*
Coronary Artery Bypass Graft	41	14.6	7.0	*	17.1	9.9	*	17.1	11.6	*
Initial Pacemaker Insertion	26	3.8	3.5	*	11.5	6.8	*	11.5	9.5	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction	89	3.4	2.1	2.2	6.7	3.9	3.4	9.0	5.2	3.9
Open Reduction of Hip Fracture	15	13.3	5.7	*	20.0	10.5	*	20.0	13.7	*
Prostatectomy	67	0.0	0.7	1.4	0.0	1.8	2.9	3.0	3.0	2.8
Cholecystectomy	36	0.0	3.8	*	2.8	7.3	*	8.3	9.7	*
Hysterectomy	1	0.0	2.8	*	0.0	8.0	*	0.0	15.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICARE PROVIDER NUMBER: 390164

The following are the brief comments of Presbyterian University Hospital ("Presbyterian") of Pittsburgh, Pennsylvania, concerning the mortality rates prepared by HCFA for Medicare patients in 1989. Presbyterian is a nonprofit, tertiary, adult acute care hospital with 636 licensed beds. As part of the University of Pittsburgh Medical Center -- the region's only academic medical center -- Presbyterian serves as a national and regional referral center and the region's leading medical education and research center.

Presbyterian, while reassured by its own low mortality rates, believes that these numbers do not represent the sole or most important measure of the quality of care provided by its medical and hospital staffs. Because of the sophisticated services that are provided in the academic medical center and the corresponding referral of gravely ill patients, studying mortality by looking only at numbers is misleading. Reviewing mortality statistics is but one small portion of the hospital's ongoing effort of measuring and enhancing the quality of care provided.

CASE REVIEW AND QUALITY OF CARE

Mortality rates cannot and should not be used to judge the quality of care provided by a hospital. At best, mortality rates provide one indicator for Presbyterian to use in its ongoing process of quality review and improvement. Medical staff departments of Presbyterian conduct an ongoing, systematic

monitoring and evaluation program, through which medical records for all patient deaths are reviewed, and clinical findings are discussed and analyzed.

METHODOLOGY

We applaud HCFA's recent efforts in refining its methodology to incorporate the concerns and comments hospitals expressed about the previous years' mortality reports. HCFA has moved closer to providing hospitals with data that are more sensitive to the multiple factors involved in assessing the "risk" of death and the use of prediction intervals. In fact, when HCFA applied these revisions to Presbyterian's 1987 and 1988 data, the hospital's mortality statistics fell well within the "predicted range" for those diagnostic categories that were possible to "predict." Even using the updated methodology, however, the predicted mortality figures and standard deviation ranges continue to be very broad. These broad ranges illustrate the fact that hospitals cannot rely upon mortality-rate calculations as a single quality assessment tool, because such figures are unlikely to accurately identify potential problems.

CONCLUSION

Presbyterian University Hospital and the University of Pittsburgh Medical Center welcome efforts to make the HCFA mortality data more meaningful and look forward to further methodology refinement and education of the public. However, the current data are not appropriate for use by the public in judging the

PUNXSUTAWNEY AREA HOSPITAL

Rd 5, Route 36 North
Punxsutawney, PA 15767

Medicare Provider Number: 390199

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	506	13.4	11.1	1.8	19.4	16.2	2.0	22.9	20.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	27.8	*	32.0	31.1	*	32.0	34.8	*
Congestive Heart Failure	29	10.3	15.7	*	20.7	24.9	*	31.0	32.3	*
Pneumonia/Influenza	32	15.6	12.7	*	21.9	17.7	*	21.9	22.1	*
Chronic Obstructive Pulmonary Disease	15	6.7	8.3	*	20.0	14.2	*	20.0	19.2	*
Transient Cerebral Ischemia	2	0.0	1.2	*	0.0	3.0	*	0.0	4.9	*
Stroke	25	24.0	16.9	*	36.0	23.4	*	40.0	27.7	*
Hip Fracture	20	5.0	6.2	*	15.0	11.4	*	15.0	14.9	*
Sepsis	11	45.5	21.8	*	54.5	28.6	*	54.5	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	100.0	25.1	*	100.0	30.0	*	100.0	33.0	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.3	*	0.0	1.8	*
Hip Replacement/Reconstruction	10	10.0	2.2	*	10.0	4.2	*	10.0	5.7	*
Open Reduction of Hip Fracture	14	0.0	5.2	*	7.1	9.9	*	7.1	13.3	*
Prostatectomy	17	0.0	1.7	*	0.0	4.2	*	5.9	7.0	*
Cholecystectomy	19	10.5	2.1	*	10.5	3.6	*	15.8	4.7	*
Hysterectomy	2	50.0	0.9	*	50.0	2.0	*	50.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 75
Occupancy Rate 33
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 19
Percent of Physicians Board Certified Specialists 53
Medical Residents/Interns 0
Registered Nurses 60
Licensed Practical Nurses 31

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PUNXSUTAWNEY AREA HOSPITAL

Medicare Provider Number: 390199

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	508	12.0	10.4	2.0	17.9	15.4	2.2	22.4	19.4	2.7
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	28.5	*	36.8	31.7	*	42.1	35.2	*
Congestive Heart Failure	24	25.0	13.4	*	33.3	21.2	*	37.5	27.6	*
Pneumonia/Influenza	27	3.7	12.7	*	7.4	17.7	*	14.8	21.6	*
Chronic Obstructive Pulmonary Disease	21	4.8	7.6	*	4.8	12.8	*	9.5	17.5	*
Transient Cerebral Ischemia	13	0.0	1.8	*	0.0	4.5	*	0.0	7.7	*
Stroke	23	43.5	19.4	*	52.2	28.0	*	52.2	33.2	*
Hip Fracture	15	13.3	6.1	*	20.0	11.3	*	20.0	14.8	*
Sepsis	14	28.6	24.2	*	28.6	29.5	*	50.0	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.1	*	14.3	8.3	*	14.3	11.2	*
Open Reduction of Hip Fracture	7	14.3	6.6	*	14.3	12.6	*	14.3	16.7	*
Prostatectomy	18	5.6	3.6	*	5.6	6.7	*	16.7	10.1	*
Cholecystectomy	10	10.0	2.7	*	10.0	5.2	*	10.0	7.2	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	494	13.8	11.9	2.0	17.8	16.5	2.2	19.8	20.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	33	24.2	28.9	*	24.2	32.4	*	24.2	35.9	*
Congestive Heart Failure	29	17.2	14.4	*	27.6	22.0	*	27.6	28.6	*
Pneumonia/Influenza	29	13.8	16.0	*	24.1	22.7	*	27.6	27.9	*
Chronic Obstructive Pulmonary Disease	7	28.6	8.9	*	28.6	16.1	*	28.6	22.0	*
Transient Cerebral Ischemia	11	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	18	27.8	20.5	*	33.3	26.9	*	38.9	31.1	*
Hip Fracture	12	0.0	5.0	*	0.0	9.6	*	0.0	13.0	*
Sepsis	10	20.0	22.8	*	30.0	29.0	*	40.0	33.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	1.4	*	0.0	2.8	*	0.0	3.9	*
Open Reduction of Hip Fracture	9	0.0	5.0	*	0.0	10.1	*	0.0	13.9	*
Prostatectomy	30	3.3	0.9	*	3.3	2.4	*	3.3	4.3	*
Cholecystectomy	12	0.0	2.8	*	0.0	5.9	*	0.0	8.4	*
Hysterectomy	3	33.3	3.5	*	33.3	7.0	*	33.3	10.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

333.1

PUNXSUTAWNEY AREA HOSPITAL
R.D. #5, Route 36 North • Punxsutawney, Pa. 15767 • (814) 938-4500

January 15, 1991

Medicare Provider Number: 39-0199

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Punxsutawney Area Hospital has reviewed the 1989 Medicare Hospital Mortality Rates. Our comments follow.

Internal analysis of the data including a case by case review of the medical records of deceased Medicare beneficiaries supports the accuracy of the reported data with minor exceptions which have been clarified under separate letter.

The hospital quality review program reviews all hospital mortalities on a timely basis to identify opportunities for improved patient care. The HCFA program, however, extends this review by detailing patient outcome after discharge. Although the data reflects that the number of mortalities in each of the seventeen categories is too small to permit satisfactory estimation of statistical indicators, the hospital peer reviewed all mortalities within each category in which the observed mortality rate exceeds HCFA's predicted value by greater than 5%. This involved focused review of twenty-two mortalities of the sixty-seven reported within thirty days of the hospital admission. The thirty day time period was selected as an appropriate indicator of iatrogenic problems associated with medical care provided to Medicare beneficiaries.

Our analysis did not identify significant quality issues but rather reinforced the problems with statistical validity inherent to small sampling. The hospital additionally continues to treat a disproportionate share of frail elderly when comparative data is analyzed. Although patient age and patient major co-morbidities at admission are factors considered in the statistical model utilized by HCFA to predict mortality, advance directives or family initiated do not resuscitate requests often associated with the care of the seriously ill, frail elderly are not. In fourteen of

the twenty-two cases analyzed, these directives precluded maximal therapeutic effort that may have prolonged life longevity irrespective of life quality.

Although statistical indicators for the total sample reflect that the hospital's actual mortality rate exceeds the predicted rate, the observed hospital rate falls within the range of predicted mortality at the 95% confidence interval and we conclude that there is no statistically significant difference between the hospital's overall actual mortality rates and the predicted rate generated by the HCFA model.

Sincerely,

Daniel D. Blough
Administrator

DDB/mad

QUAKERTOWN HOSPITAL ASSOCIATION

11th St & Park Ave
Quakertown, PA 18951

Medicare Provider Number: 390035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	883	11.8	8.7	1.3	17.4	13.6	1.6	22.5	17.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	25.6	*	34.8	29.9	*	47.8	33.5	*
Congestive Heart Failure	63	19.0	15.4	5.1	31.7	24.7	8.0	41.3	32.2	9.6
Pneumonia/Influenza	49	24.5	17.1	*	28.6	23.2	*	36.7	28.1	*
Chronic Obstructive Pulmonary Disease	12	8.3	8.9	*	8.3	15.2	*	8.3	20.6	*
Transient Cerebral Ischemia	12	8.3	2.4	*	25.0	5.3	*	25.0	8.3	*
Stroke	32	21.9	20.3	*	25.0	26.7	*	31.3	31.2	*
Hip Fracture	26	11.5	6.1	*	15.4	11.3	*	26.9	15.0	*
Sepsis	10	10.0	25.8	*	20.0	34.3	*	30.0	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	1.4	*	0.0	3.0	*	12.5	4.6	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	23	0.0	3.1	*	0.0	6.0	*	8.7	8.0	*
Open Reduction of Hip Fracture	15	20.0	5.2	*	26.7	10.1	*	33.3	13.7	*
Prostatectomy	24	4.2	2.0	*	8.3	5.0	*	12.5	8.0	*
Cholecystectomy	21	0.0	3.1	*	4.8	6.0	*	4.8	8.1	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 89
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 115
Percent of Physicians Board Certified Specialists 87
Medical Residents/Interns 0
Registered Nurses 96
Licensed Practical Nurses 26

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

QUAKERTOWN HOSPITAL ASSOCIATION

Medicare Provider Number: 390035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	880	9.4	9.3	1.0	13.7	14.3	1.2	17.0	18.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	36	41.7	28.6	*	47.2	32.2	*	47.2	35.7	*
Congestive Heart Failure	67	22.4	15.7	5.8	22.4	24.3	5.7	28.4	31.4	5.9
Pneumonia/Influenza	42	16.7	18.2	*	28.6	24.6	*	28.6	29.2	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.3	*	0.0	14.9	*	0.0	21.8	*
Transient Cerebral Ischemia	21	0.0	2.5	*	0.0	5.4	*	0.0	8.5	*
Stroke	36	16.7	20.0	*	30.6	26.9	*	33.3	31.7	*
Hip Fracture	35	0.0	7.1	*	5.7	12.7	*	5.7	16.4	*
Sepsis	10	40.0	29.3	*	40.0	36.6	*	50.0	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.6	*	0.0	9.0	*	0.0	12.7	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	22	4.5	3.6	*	9.1	6.8	*	9.1	8.9	*
Open Reduction of Hip Fracture	22	0.0	6.8	*	4.5	12.8	*	4.5	16.7	*
Prostatectomy	30	0.0	2.7	*	6.7	5.3	*	10.0	8.0	*
Cholecystectomy	16	0.0	2.7	*	0.0	4.4	*	0.0	5.4	*
Hysterectomy	7	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	839	10.0	9.2	1.2	13.7	13.9	1.3	18.4	17.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	37	35.1	25.9	*	35.1	29.2	*	35.1	32.8	*
Congestive Heart Failure	59	23.7	14.8	8.8	28.8	23.2	8.6	37.3	30.3	8.1
Pneumonia/Influenza	32	12.5	16.0	*	18.8	21.7	*	21.9	26.5	*
Chronic Obstructive Pulmonary Disease	14	14.3	8.2	*	14.3	15.5	*	21.4	22.0	*
Transient Cerebral Ischemia	33	3.0	2.1	*	3.0	4.6	*	6.1	7.1	*
Stroke	40	25.0	24.7	*	27.5	31.5	*	30.0	36.3	*
Hip Fracture	17	5.9	7.1	*	5.9	13.0	*	11.8	17.2	*
Sepsis	6	50.0	28.4	*	50.0	37.8	*	83.3	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	4.8	*	9.1	7.3	*	9.1	9.4	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	9	0.0	1.3	*	0.0	2.7	*	11.1	3.8	*
Open Reduction of Hip Fracture	11	9.1	7.5	*	9.1	14.2	*	9.1	19.0	*
Prostatectomy	32	0.0	1.7	*	6.3	4.3	*	15.6	7.3	*
Cholecystectomy	12	0.0	3.1	*	0.0	6.0	*	0.0	8.3	*
Hysterectomy	4	0.0	2.6	*	25.0	6.4	*	25.0	10.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Quakertown
Community Hospital
A QuadMed Quality Managed

Eleventh St. & Park Avenue
Quakertown, PA 18951
(215) 538-4500

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: MC Provider No. 390035

Dear Mrs. Kappert:

We received our hospital's Mortality Information via Air Express on Friday of last week and did not have enough time to make specific comments concerning the information.

There is one discrepancy which I would like to have changed prior to release of our data concerning the Hospital Characteristics.

Your information states that we do not have a Medical/Surgical Intensive Care Unit when, in fact, we do have such a Unit. Please make this correction prior to publication of your data.

Thank you very much. This FAX transmission will be followed by original letter.

Very truly yours,

Jean Bartholomew, ART

Jean Bartholomew, ART, Director,
Health Records Services

cc Michael Hammond, CEO

READING HOSPITAL MEDICAL CENTER

6th Ave and Spruce St
Reading, PA 19603

Medicare Provider Number: 390044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,861	8.1	9.1	0.6	12.2	13.3	0.6	15.5	16.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	253	17.4	27.1	4.1	22.5	30.7	4.6	24.1	34.2	4.4
Congestive Heart Failure	189	15.3	14.2	3.1	22.8	21.5	3.2	29.1	27.9	3.5
Pneumonia/Influenza	230	12.6	16.3	4.2	17.8	22.0	4.3	23.5	26.7	3.6
Chronic Obstructive Pulmonary Disease	24	12.5	8.1	*	12.5	14.7	*	20.8	20.4	*
Transient Cerebral Ischemia	111	1.8	1.8	1.3	1.8	3.9	2.6	5.4	6.3	2.7
Stroke	223	18.4	22.1	4.7	24.7	28.3	4.8	30.9	32.8	3.7
Hip Fracture	129	5.4	6.5	2.4	10.9	11.8	3.6	12.4	15.4	5.6
Sepsis	125	20.8	28.8	6.1	28.8	35.4	5.7	34.4	41.5	5.4
PROCEDURES:										
Angioplasty	87	1.1	3.6	2.9	1.1	4.8	3.5	1.1	6.0	4.0
Coronary Artery Bypass Graft	165	5.5	6.3	2.2	6.1	9.0	2.8	6.1	10.6	3.4
Initial Pacemaker Insertion	29	3.4	3.6	*	10.3	6.6	*	13.8	9.3	*
Carotid Endarterectomy	75	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	152	2.0	2.6	1.4	3.3	4.9	2.5	4.6	6.7	3.6
Open Reduction of Hip Fracture	59	0.0	6.7	6.5	8.5	12.4	8.3	11.9	16.2	7.2
Prostatectomy	175	3.4	1.0	1.3	5.7	2.2	1.8	7.4	3.6	2.2
Cholecystectomy	105	1.0	3.1	2.1	3.8	5.6	2.9	4.8	7.4	2.9
Hysterectomy	54	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 513
Occupancy Rate 83
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 314
Percent of Physicians Board Certified Specialists 85
Medical Residents/Interns 57
Registered Nurses 495
Licensed Practical Nurses 152

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

READING HOSPITAL MEDICAL CENTER

Medicare Provider Number: 390044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,037	8.9	9.3	0.5	13.6	13.5	0.6	16.7	16.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	269	23.0	25.5	3.2	27.5	29.0	3.0	29.7	32.7	3.7
Congestive Heart Failure	184	12.0	15.6	3.2	23.9	23.4	3.2	31.0	30.0	3.4
Pneumonia/Influenza	161	21.1	18.0	5.0	29.8	24.3	6.2	34.2	29.2	5.4
Chronic Obstructive Pulmonary Disease	28	17.9	10.7	*	25.0	16.9	*	35.7	22.2	*
Transient Cerebral Ischemia	126	3.2	1.8	1.7	6.3	3.9	2.4	7.9	6.1	2.5
Stroke	266	19.2	23.1	4.5	27.1	29.7	4.3	30.5	34.4	4.4
Hip Fracture	146	9.6	6.6	4.0	17.1	12.2	5.4	21.2	16.0	5.4
Sepsis	124	22.6	33.0	6.4	31.5	39.8	5.9	37.9	46.3	6.0
PROCEDURES:										
Angioplasty	103	7.8	6.0	2.6	9.7	7.1	2.8	11.7	8.4	3.2
Coronary Artery Bypass Graft	170	3.5	5.5	2.6	7.1	7.7	2.5	7.6	9.1	2.6
Initial Pacemaker Insertion	42	4.8	8.2	*	7.1	11.5	*	9.5	14.2	*
Carotid Endarterectomy	62	4.8	1.3	3.2	4.8	2.4	3.8	4.8	3.5	4.3
Hip Replacement/Reconstruction	145	2.8	2.2	2.2	5.5	4.2	3.1	7.6	5.7	3.2
Open Reduction of Hip Fracture	83	7.2	6.0	4.2	15.7	11.6	6.2	19.3	15.5	6.6
Prostatectomy	209	1.9	1.3	0.9	3.8	2.9	1.3	4.8	4.7	1.6
Cholecystectomy	115	2.6	3.3	1.8	6.1	5.8	2.3	7.8	7.5	2.9
Hysterectomy	58	1.7	1.2	1.5	5.2	2.3	2.6	6.9	3.2	3.3

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,835	8.1	9.5	0.5	11.9	13.9	0.7	15.3	17.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	280	22.5	28.6	3.4	29.3	32.1	2.9	32.5	35.6	3.0
Congestive Heart Failure	287	10.8	16.8	3.0	19.5	24.9	3.1	30.7	31.6	2.8
Pneumonia/Influenza	128	20.3	17.2	4.2	23.4	23.0	4.0	25.8	27.8	4.1
Chronic Obstructive Pulmonary Disease	42	14.3	10.8	*	23.8	16.8	*	31.0	21.7	*
Transient Cerebral Ischemia	122	1.6	1.9	1.7	3.3	4.1	1.9	5.7	6.4	2.5
Stroke	235	22.1	24.7	3.4	26.8	31.5	4.7	31.5	36.2	4.9
Hip Fracture	122	4.1	5.8	2.7	9.0	10.9	4.0	12.3	14.4	4.5
Sepsis	84	13.1	32.9	7.2	19.0	39.6	7.5	23.8	45.4	7.7
PROCEDURES:										
Angioplasty	77	3.9	4.3	2.4	3.9	5.4	2.9	3.9	6.6	3.7
Coronary Artery Bypass Graft	152	2.0	6.7	2.4	3.3	8.9	2.9	3.9	10.2	3.0
Initial Pacemaker Insertion	33	0.0	4.9	*	0.0	8.1	*	0.0	10.6	*
Carotid Endarterectomy	44	0.0	1.6	*	2.3	2.8	*	2.3	4.1	*
Hip Replacement/Reconstruction	113	2.7	2.8	1.7	4.4	5.5	2.3	7.1	7.4	2.7
Open Reduction of Hip Fracture	55	3.6	5.4	3.4	9.1	10.6	4.7	12.7	14.2	5.2
Prostatectomy	224	1.3	1.1	0.9	2.7	2.6	1.1	4.5	4.3	1.4
Cholecystectomy	106	5.7	4.8	3.4	9.4	7.8	4.4	12.3	9.9	5.2
Hysterectomy	52	1.9	0.6	1.5	3.8	1.1	2.7	3.8	1.6	4.0

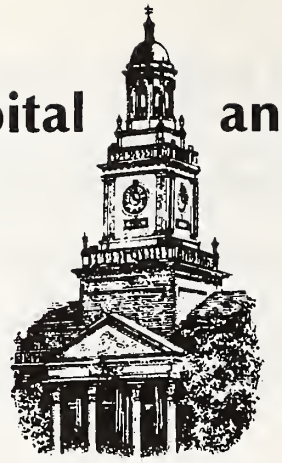
*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

337.1

The Reading Hospital and Medical Center

Reading, Pennsylvania 19603

Telephone 215-378-6000



January 3, 1991

Attention: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Healthcare Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The data to be released in Spring of 1991 regarding mortality of Medicare patients who were treated and discharged between October 1, 1988, and September 30, 1989, at The Reading Hospital and Medical Center is at a 95% confidence level in the observed category for all cases, conditions, and procedures. Therefore, no diagnosis nor procedure requires clinical comment.

We continue to believe that mortality information may be useful for clinicians and administrators for **screening** purposes to analyze the quality and appropriateness of services we provide. However, we do not believe that it is appropriate or useful for the public.

The tables to be published in 1991 may further confuse the consumer. The observed may exceed the predicted but be statistically insignificant once the formula is applied to the standard deviation. For example, for The Reading Hospital and Medical Center the diagnosis of congestive heart failure has an observed percentage of 15.3 at 30 days versus the predicted of 14.2 with a standard deviation of 3.1. Utilizing the multipliers provided to calculate a 95% confidence range, the variation is -5.0 and, therefore, not meaningful. The consumer, however, may make conclusions based upon the interpretation of the observed versus the predicted.

Further complicating interpretation is presentation of mortality at 90 and 180 day intervals following the admission. This certainly weakens the inferences about quality of treatment intervention because of the probability of confounding factors which may have contributed to death.

I believe it is the responsibility of HCFA to state that the data made available for public review is a tool that is best utilized by the Hospitals for

evaluation of clinical services. Quality is not being measured. The model simply identifies differences in mortality rates among hospital populations but does not explain why they are different.

We support HCFA's attempt to evaluate the quality of service to assure provision of appropriate care to Medicare beneficiaries. However, the current model does not allow such an interpretation to occur. Thank you for the opportunity to comment.

Very truly yours,

Robert W. Muir, M.D.
Chairman, Utilization Review

/sef

RIDDLE MEMORIAL HOSPITAL

US Rt 1
Media, PA 19063

Medicare Provider Number: 390222

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,369	9.9	10.1	0.7	15.5	15.7	0.8	19.7	20.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	52	30.8	26.4	7.4	34.6	29.5	8.6	38.5	32.8	9.4
Congestive Heart Failure	105	12.4	18.5	5.6	21.0	28.4	7.7	28.6	36.2	7.4
Pneumonia/Influenza	122	23.0	21.9	4.8	32.0	28.9	5.2	34.4	34.1	4.3
Chronic Obstructive Pulmonary Disease	40	5.0	10.0	*	15.0	17.3	*	20.0	23.6	*
Transient Cerebral Ischemia	39	5.1	2.8	*	5.1	6.7	*	5.1	10.9	*
Stroke	92	20.7	23.0	6.8	29.3	31.8	7.0	30.4	36.9	9.0
Hip Fracture	67	6.0	7.3	4.2	11.9	13.6	5.6	14.9	18.1	5.5
Sepsis	71	38.0	35.1	7.8	49.3	44.3	10.5	57.7	51.3	12.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.7	*	0.0	5.6	*	0.0	8.4	*
Carotid Endarterectomy	4	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	41	2.4	4.1	*	7.3	8.0	*	9.8	11.0	*
Open Reduction of Hip Fracture	37	8.1	7.2	*	13.5	13.8	*	16.2	18.6	*
Prostatectomy	109	0.0	0.7	*	0.9	1.8	*	0.9	3.0	*
Cholecystectomy	39	5.1	3.9	*	5.1	6.8	*	10.3	8.7	*
Hysterectomy	12	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 243
Occupancy Rate 71
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 223
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

RIDDLE MEMORIAL HOSPITAL

Medicare Provider Number: 390222

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,486	9.5	10.4	1.0	16.5	16.2	1.0	20.8	20.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	54	22.2	26.5	8.7	29.6	29.9	8.8	31.5	33.4	6.9
Congestive Heart Failure	115	20.9	18.5	4.3	29.6	27.7	4.4	35.7	35.0	4.7
Pneumonia/Influenza	120	21.7	25.4	5.2	32.5	33.0	8.5	35.0	38.3	8.2
Chronic Obstructive Pulmonary Disease	47	6.4	9.1	*	14.9	15.8	*	25.5	21.4	*
Transient Cerebral Ischemia	67	4.5	2.4	3.2	10.4	5.2	5.8	10.4	8.2	6.5
Stroke	76	19.7	21.9	4.9	26.3	30.3	6.0	30.3	35.2	6.0
Hip Fracture	78	6.4	7.6	3.5	17.9	14.3	4.8	25.6	18.6	7.6
Sepsis	39	28.2	34.2	*	35.9	43.9	*	38.5	50.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	8.6	*	4.8	12.1	*	4.8	15.2	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Hip Replacement/Reconstruction	46	2.2	4.0	*	8.7	8.0	*	13.0	10.7	*
Open Reduction of Hip Fracture	28	3.6	7.3	*	17.9	14.2	*	28.6	19.0	*
Prostatectomy	119	0.0	1.1	1.4	3.4	2.7	1.6	4.2	4.5	2.2
Cholecystectomy	48	4.2	3.3	*	4.2	5.9	*	8.3	7.6	*
Hysterectomy	16	0.0	1.3	*	0.0	2.7	*	6.3	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,435	11.2	10.8	0.7	16.6	16.2	0.9	21.5	20.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	77	23.4	30.5	7.1	31.2	34.7	6.6	33.8	38.4	6.5
Congestive Heart Failure	107	19.6	19.6	3.8	27.1	28.7	4.9	33.6	35.9	5.6
Pneumonia/Influenza	109	28.4	23.4	5.1	39.4	30.5	5.9	45.9	35.7	7.5
Chronic Obstructive Pulmonary Disease	44	9.1	9.2	*	9.1	15.7	*	18.2	21.0	*
Transient Cerebral Ischemia	60	5.0	2.1	3.4	6.7	4.5	3.2	8.3	7.2	3.6
Stroke	113	22.1	23.2	4.3	30.1	31.6	5.0	35.4	36.5	4.7
Hip Fracture	74	6.8	7.4	3.3	12.2	13.7	4.6	18.9	18.0	4.7
Sepsis	54	35.2	35.6	7.3	48.1	43.5	7.7	57.4	50.2	9.8
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	7.0	*	15.0	12.8	*	20.0	17.8	*
Carotid Endarterectomy	7	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	36	2.8	6.2	*	8.3	10.7	*	13.9	14.0	*
Open Reduction of Hip Fracture	36	5.6	7.0	*	11.1	13.5	*	13.9	17.9	*
Prostatectomy	129	1.6	1.3	2.0	4.7	3.2	3.1	9.3	5.3	3.8
Cholecystectomy	27	7.4	3.7	*	7.4	6.3	*	11.1	7.8	*
Hysterectomy	9	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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RIDDLE MEMORIAL HOSPITAL

PROVIDER # 390222

The data presents mortality information about Medicare patients treated at Riddle Memorial Hospital during Federal fiscal years 1987, 1988 and 1989. The statistics show the number of Medicare patients admitted, the actual percent of these patients who expired at 30, 90 and 180 days from admission and the hospital's specific predicted rate of patients who would have been expected to expire given adjustments for specific patient characteristics. Since the predicted rates are specific for Riddle Memorial Hospital, the comparison of statistics among or between hospitals is meaningless.

Riddle Memorial Hospital has conducted a thorough review of our mortality data. In categories where the observed or actual mortality rate was greater than the predicted rate, Riddle did not reach statistically significant levels. A more detailed analysis revealed that the average age of these mortalities during FY 89 was 81.3. Approximately 98.5% of the Medicare mortalities who expired at Riddle Memorial Hospital were emergency admissions. In addition, over one half of these mortalities were admitted from a nursing home. The average age of these nursing home admissions was 82.6.

It is important to note that the predicted mortality rates do not account for the patient's severity of their illness at the time of admission or, in other words, the stage of the patient's particular illness at the time of admission. Obviously, this factor can be a vital predictor in calculating predicted mortality rates. This severity indicator can have a significant impact on an institution's actual mortality rates, if, in fact, a particular institution is treating patients who are in a more advanced stage of their illness at the time of admission. Incorporating a measurement of patient severity will undoubtedly improve the reliability of the data.

1121T

ROBERT PACKER HOSPITAL

Guthrie Square
Sayre, PA 18840

Medicare Provider Number: 390079

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,896	6.0	8.2	0.7	10.2	12.8	0.8	13.6	16.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	88	22.7	22.7	4.5	23.9	26.0	4.9	27.3	29.3	5.0
Congestive Heart Failure	89	14.6	16.0	4.5	21.3	24.7	5.7	30.3	31.8	5.1
Pneumonia/Influenza	65	16.9	16.0	5.9	23.1	22.1	5.4	24.6	26.7	5.9
Chronic Obstructive Pulmonary Disease	32	3.1	7.1	*	18.8	13.0	*	28.1	18.1	*
Transient Cerebral Ischemia	36	0.0	1.6	*	0.0	3.5	*	5.6	5.5	*
Stroke	60	8.3	18.3	7.6	11.7	25.1	8.8	16.7	29.4	8.9
Hip Fracture	41	2.4	5.9	*	2.4	10.7	*	2.4	13.9	*
Sepsis	26	19.2	25.9	*	19.2	34.1	*	26.9	40.3	*
PROCEDURES:										
Angioplasty	82	6.1	3.2	2.5	7.3	4.3	2.6	7.3	5.5	2.7
Coronary Artery Bypass Graft	138	2.9	5.5	2.3	4.3	8.5	3.2	5.1	10.4	3.8
Initial Pacemaker Insertion	12	0.0	4.5	*	0.0	7.6	*	0.0	10.3	*
Carotid Endarterectomy	27	7.4	1.7	*	7.4	3.2	*	11.1	4.6	*
Hip Replacement/Reconstruction	71	0.0	1.2	*	0.0	2.2	*	0.0	3.0	*
Open Reduction of Hip Fracture	19	0.0	4.8	*	0.0	8.9	*	0.0	11.6	*
Prostatectomy	93	0.0	1.3	1.6	2.2	3.1	2.0	2.2	4.9	3.0
Cholecystectomy	39	0.0	2.8	*	2.6	4.9	*	5.1	6.3	*
Hysterectomy	27	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	366
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	123
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	39
Registered Nurses	459
Licensed Practical Nurses	43

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ROBERT PACKER HOSPITAL

Medicare Provider Number: 390079

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,993	6.0	8.1	0.9	10.1	12.6	1.0	13.7	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	65	23.1	25.7	5.9	29.2	29.2	6.1	30.8	32.9	6.1
Congestive Heart Failure	78	12.8	16.2	6.5	17.9	24.8	7.8	28.2	31.8	6.5
Pneumonia/Influenza	47	14.9	17.4	*	19.1	23.9	*	21.3	28.9	*
Chronic Obstructive Pulmonary Disease	34	2.9	8.4	*	11.8	14.8	*	17.6	20.5	*
Transient Cerebral Ischemia	34	0.0	2.3	*	5.9	5.1	*	5.9	7.9	*
Stroke	66	18.2	18.6	4.8	25.8	25.1	6.1	27.3	29.5	7.7
Hip Fracture	53	1.9	6.8	5.1	3.8	12.5	8.0	9.4	16.2	8.1
Sepsis	25	20.0	31.6	*	28.0	38.1	*	32.0	43.4	*
PROCEDURES:										
Angioplasty	74	4.1	2.8	3.7	5.4	3.8	3.9	5.4	5.0	4.4
Coronary Artery Bypass Graft	142	3.5	7.1	2.8	3.5	9.9	3.4	5.6	11.6	3.5
Initial Pacemaker Insertion	13	0.0	3.1	*	0.0	5.8	*	0.0	8.5	*
Carotid Endarterectomy	19	0.0	1.6	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	92	1.1	2.2	1.8	2.2	4.1	2.9	6.5	5.6	2.6
Open Reduction of Hip Fracture	18	0.0	7.5	*	5.6	14.4	*	5.6	19.1	*
Prostatectomy	110	0.0	1.3	1.6	0.0	3.2	3.2	2.7	5.4	3.0
Cholecystectomy	42	0.0	3.1	*	2.4	5.3	*	2.4	6.8	*
Hysterectomy	28	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,824	6.4	8.1	0.6	9.8	12.7	0.8	13.1	16.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	68	32.4	27.3	11.3	39.7	31.4	12.2	42.6	35.0	11.4
Congestive Heart Failure	72	8.3	15.5	6.4	15.3	23.2	7.4	25.0	29.8	6.7
Pneumonia/Influenza	49	8.2	15.9	*	16.3	21.8	*	22.4	26.4	*
Chronic Obstructive Pulmonary Disease	28	14.3	11.7	*	28.6	19.1	*	39.3	24.6	*
Transient Cerebral Ischemia	39	0.0	2.1	*	0.0	4.5	*	0.0	6.9	*
Stroke	65	15.4	22.2	8.2	21.5	29.9	8.1	32.3	34.6	6.2
Hip Fracture	47	8.5	7.2	*	17.0	12.8	*	19.1	16.4	*
Sepsis	21	52.4	37.0	*	61.9	45.4	*	61.9	51.6	*
PROCEDURES:										
Angioplasty	62	6.5	4.8	3.6	6.5	5.8	3.1	11.3	7.0	5.0
Coronary Artery Bypass Graft	144	2.8	8.1	2.9	4.2	11.2	3.7	5.6	13.1	4.1
Initial Pacemaker Insertion	12	0.0	2.1	*	0.0	4.8	*	0.0	7.5	*
Carotid Endarterectomy	30	0.0	1.8	*	3.3	3.5	*	3.3	5.0	*
Hip Replacement/Reconstruction	86	1.2	1.8	1.6	4.7	3.5	2.2	4.7	4.8	2.6
Open Reduction of Hip Fracture	9	11.1	6.2	*	11.1	11.1	*	22.2	14.3	*
Prostatectomy	102	1.0	1.4	1.2	2.0	3.4	2.0	2.0	5.7	3.4
Cholecystectomy	52	0.0	2.5	*	0.0	4.3	*	0.0	5.6	*
Hysterectomy	24	0.0	1.1	*	0.0	2.2	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ROLLING HILL HOSPITAL

60 E Township Line
Elkins Park, PA 19117

Medicare Provider Number: 390007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,630	8.0	9.2	0.9	13.2	14.1	0.9	18.1	17.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	56	23.2	25.0	6.6	28.6	29.5	6.1	39.3	33.4	7.1
Congestive Heart Failure	118	13.6	16.2	5.1	20.3	25.1	6.2	29.7	32.4	4.8
Pneumonia/Influenza	67	11.9	17.5	5.9	16.4	23.4	7.8	19.4	28.0	8.3
Chronic Obstructive Pulmonary Disease	18	0.0	12.0	*	0.0	18.6	*	5.6	23.7	*
Transient Cerebral Ischemia	39	0.0	1.8	*	5.1	4.0	*	10.3	6.3	*
Stroke	56	7.1	18.2	7.4	16.1	25.0	8.6	19.6	29.3	7.9
Hip Fracture	31	3.2	6.2	*	9.7	11.0	*	9.7	14.1	*
Sepsis	19	26.3	29.9	*	52.6	39.0	*	68.4	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.4	*	7.7	8.2	*	7.7	11.5	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	10	0.0	3.5	*	10.0	6.6	*	10.0	8.8	*
Open Reduction of Hip Fracture	18	0.0	6.0	*	5.6	11.1	*	5.6	14.4	*
Prostatectomy	90	2.2	0.7	1.5	2.2	1.6	2.3	3.3	2.6	2.7
Cholecystectomy	17	0.0	5.3	*	5.9	9.0	*	5.9	11.3	*
Hysterectomy	18	0.0	0.4	*	5.6	0.8	*	5.6	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 251
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 507
Percent of Physicians Board Certified Specialists 55
Medical Residents/Interns 21
Registered Nurses 177
Licensed Practical Nurses 44

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ROLLING HILL HOSPITAL

Medicare Provider Number: 390007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,994	7.5	8.5	1.1	12.1	13.1	1.2	15.7	16.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	62	16.1	25.7	9.2	21.0	29.3	8.9	25.8	32.8	9.3
Congestive Heart Failure	119	10.9	17.7	5.7	19.3	26.6	6.4	26.9	33.8	6.9
Pneumonia/Influenza	72	22.2	17.3	7.8	29.2	23.4	7.9	29.2	28.1	6.5
Chronic Obstructive Pulmonary Disease	21	9.5	9.4	*	9.5	15.3	*	19.0	20.5	*
Transient Cerebral Ischemia	45	0.0	1.8	*	0.0	4.0	*	4.4	6.4	*
Stroke	68	14.7	22.4	7.1	22.1	29.8	8.4	23.5	34.6	9.9
Hip Fracture	32	3.1	7.0	*	6.3	12.6	*	12.5	16.2	*
Sepsis	21	23.8	28.7	*	38.1	37.5	*	57.1	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.6	*	7.1	7.0	*	7.1	9.8	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.2	*	0.0	3.4	*
Hip Replacement/Reconstruction	13	0.0	3.5	*	0.0	6.6	*	7.7	8.5	*
Open Reduction of Hip Fracture	17	5.9	7.4	*	11.8	13.6	*	17.6	17.5	*
Prostatectomy	101	0.0	0.7	1.0	0.0	1.8	1.7	1.0	3.0	2.2
Cholecystectomy	37	2.7	4.5	*	2.7	8.0	*	2.7	9.9	*
Hysterectomy	25	0.0	0.9	*	4.0	1.8	*	4.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,823	7.7	9.2	0.9	11.7	13.9	1.1	15.0	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	73	30.1	27.1	5.9	32.9	31.0	5.6	34.2	34.7	5.7
Congestive Heart Failure	102	12.7	16.9	7.2	19.6	25.5	8.1	27.5	32.5	7.8
Pneumonia/Influenza	54	14.8	20.2	9.3	20.4	27.0	12.0	22.2	32.2	14.1
Chronic Obstructive Pulmonary Disease	22	4.5	16.5	*	18.2	26.4	*	31.8	32.8	*
Transient Cerebral Ischemia	47	0.0	2.1	*	2.1	4.4	*	2.1	6.9	*
Stroke	73	12.3	22.4	6.9	20.5	30.6	8.7	24.7	35.4	8.8
Hip Fracture	25	8.0	6.8	*	12.0	12.1	*	16.0	15.5	*
Sepsis	18	33.3	29.5	*	38.9	37.5	*	44.4	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	3.7	3.9	*	3.7	7.2	*	3.7	10.2	*
Carotid Endarterectomy	1	0.0	2.4	*	0.0	4.1	*	0.0	5.9	*
Hip Replacement/Reconstruction	10	10.0	5.4	*	10.0	10.2	*	10.0	13.4	*
Open Reduction of Hip Fracture	11	9.1	6.6	*	9.1	12.0	*	9.1	15.3	*
Prostatectomy	88	0.0	1.1	1.8	2.3	2.6	1.9	4.5	4.3	2.2
Cholecystectomy	36	2.8	3.3	*	5.6	5.4	*	5.6	6.8	*
Hysterectomy	17	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ROXBOROUGH MEMORIAL HOSPITAL

5800 Ridge Avenue
Philadelphia, PA 19128

Medicare Provider Number: 390135

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,610	8.4	10.0	0.9	14.2	15.0	1.0	18.9	19.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	66	19.7	19.8	5.1	22.7	24.0	5.4	28.8	27.6	5.7
Congestive Heart Failure	104	7.7	14.6	4.6	20.2	23.1	4.8	31.7	30.0	4.6
Pneumonia/Influenza	74	17.6	16.3	4.7	20.3	22.2	5.3	27.0	27.0	5.3
Chronic Obstructive Pulmonary Disease	58	8.6	8.3	4.2	17.2	14.5	8.2	31.0	19.9	8.1
Transient Cerebral Ischemia	51	0.0	1.9	3.4	5.9	4.2	3.4	7.8	6.8	3.9
Stroke	84	16.7	20.5	8.3	23.8	27.7	7.3	29.8	32.3	6.5
Hip Fracture	44	2.3	6.1	*	2.3	11.3	*	11.4	14.9	*
Sepsis	29	20.7	28.7	*	24.1	37.7	*	31.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	5.3	*	0.0	8.9	*	0.0	11.9	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	33	0.0	3.5	*	0.0	6.9	*	6.1	9.5	*
Open Reduction of Hip Fracture	24	4.2	5.8	*	4.2	11.0	*	12.5	14.7	*
Prostatectomy	54	1.9	1.1	1.9	3.7	2.6	2.9	3.7	4.2	3.7
Cholecystectomy	24	0.0	2.3	*	0.0	3.8	*	4.2	4.8	*
Hysterectomy	14	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 152
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 125
Percent of Physicians Board Certified Specialists 68
Medical Residents/Interns 0
Registered Nurses 158
Licensed Practical Nurses 11

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ROXBOROUGH MEMORIAL HOSPITAL

Medicare Provider Number: 390135

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,729	8.2	11.0	1.3	15.3	16.6	1.0	20.1	20.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	61	21.3	20.8	5.5	24.6	24.3	8.1	29.5	27.8	7.4
Congestive Heart Failure	118	6.8	14.5	4.4	15.3	22.2	5.0	19.5	28.7	5.6
Pneumonia/Influenza	93	15.1	19.0	5.7	24.7	26.3	5.3	28.0	31.4	5.6
Chronic Obstructive Pulmonary Disease	34	8.8	9.2	*	23.5	15.9	*	41.2	21.4	*
Transient Cerebral Ischemia	53	0.0	2.0	*	3.8	4.4	*	11.3	7.1	*
Stroke	100	15.0	19.9	4.5	29.0	27.2	4.6	33.0	31.8	5.1
Hip Fracture	43	0.0	5.9	*	2.3	10.7	*	9.3	13.8	*
Sepsis	32	28.1	28.9	*	28.1	37.3	*	37.5	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.5	*	20.0	6.3	*	30.0	8.9	*
Carotid Endarterectomy	3	0.0	2.4	*	33.3	5.5	*	33.3	8.3	*
Hip Replacement/Reconstruction	24	0.0	2.9	*	0.0	5.6	*	0.0	7.4	*
Open Reduction of Hip Fracture	28	0.0	5.8	*	0.0	10.8	*	10.7	14.2	*
Prostatectomy	50	2.0	1.3	*	6.0	3.2	*	10.0	5.3	*
Cholecystectomy	19	0.0	2.0	*	0.0	3.3	*	0.0	4.1	*
Hysterectomy	8	0.0	1.5	*	12.5	2.8	*	12.5	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,740	8.0	10.5	1.2	14.3	16.0	1.2	18.4	20.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	63	36.5	26.7	10.6	42.9	30.9	11.6	46.0	34.5	11.5
Congestive Heart Failure	122	13.1	16.0	5.9	22.1	24.5	8.0	28.7	31.4	6.9
Pneumonia/Influenza	94	6.4	14.9	5.5	13.8	20.2	5.3	19.1	24.5	5.3
Chronic Obstructive Pulmonary Disease	33	6.1	12.1	*	18.2	20.8	*	27.3	27.2	*
Transient Cerebral Ischemia	44	0.0	2.1	*	2.3	4.7	*	4.5	7.6	*
Stroke	104	15.4	21.1	6.1	24.0	29.2	7.1	28.8	34.0	5.6
Hip Fracture	49	2.0	7.1	*	2.0	12.8	*	4.1	16.5	*
Sepsis	34	29.4	32.5	*	38.2	39.6	*	41.2	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.1	*	14.3	5.6	*	14.3	7.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	0.0	5.9	*	0.0	10.7	*	4.0	13.5	*
Open Reduction of Hip Fracture	24	0.0	5.9	*	0.0	11.4	*	0.0	15.2	*
Prostatectomy	51	0.0	1.2	1.8	2.0	2.9	2.7	3.9	4.8	4.0
Cholecystectomy	24	8.3	4.2	*	12.5	7.6	*	12.5	9.8	*
Hysterectomy	11	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SACRED HEART HOSPITAL

9th Wilson Sts
Chester, PA 19013

Medicare Provider Number: 390148

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,151	7.6	8.9	0.9	14.4	13.6	1.2	17.8	17.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	29.2	*	30.8	33.0	*	38.5	36.7	*
Congestive Heart Failure	70	8.6	12.8	5.7	17.1	20.3	5.4	25.7	26.7	5.3
Pneumonia/Influenza	41	12.2	17.7	*	17.1	24.5	*	22.0	29.5	*
Chronic Obstructive Pulmonary Disease	33	6.1	8.1	*	9.1	14.5	*	9.1	19.8	*
Transient Cerebral Ischemia	12	0.0	1.7	*	8.3	3.9	*	8.3	6.5	*
Stroke	48	27.1	18.9	*	35.4	25.3	*	39.6	29.6	*
Hip Fracture	17	5.9	5.8	*	11.8	10.6	*	17.6	14.0	*
Sepsis	18	38.9	28.5	*	55.6	34.0	*	55.6	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.1	*	0.0	2.5	*	0.0	3.9	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	3.3	*	0.0	5.0	*
Hip Replacement/Reconstruction	5	40.0	7.1	*	40.0	13.0	*	40.0	16.7	*
Open Reduction of Hip Fracture	13	0.0	5.3	*	7.7	10.2	*	15.4	13.7	*
Prostatectomy	14	0.0	1.2	*	14.3	3.1	*	14.3	5.4	*
Cholecystectomy	25	4.0	3.4	*	16.0	5.8	*	16.0	7.5	*
Hysterectomy	4	0.0	1.0	*	0.0	2.5	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 250
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 0
Registered Nurses 133
Licensed Practical Nurses 19

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SACRED HEART HOSPITAL

Medicare Provider Number: 390148

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,218	9.2	9.5	0.9	15.0	14.7	1.0	18.7	18.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	28	39.3	28.7	*	42.9	31.7	*	42.9	35.2	*
Congestive Heart Failure	62	9.7	16.0	6.7	17.7	24.5	7.8	25.8	31.3	6.8
Pneumonia/Influenza	42	11.9	18.5	*	21.4	25.2	*	26.2	30.3	*
Chronic Obstructive Pulmonary Disease	32	0.0	7.0	*	3.1	13.2	*	6.3	18.6	*
Transient Cerebral Ischemia	24	0.0	1.9	*	8.3	4.2	*	8.3	6.7	*
Stroke	39	17.9	19.9	*	30.8	26.6	*	33.3	31.1	*
Hip Fracture	17	5.9	6.6	*	11.8	12.5	*	11.8	16.5	*
Sepsis	16	31.3	30.8	*	37.5	40.7	*	37.5	47.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	4	0.0	5.5	*	0.0	12.5	*	0.0	18.8	*
Open Reduction of Hip Fracture	11	0.0	5.3	*	0.0	10.1	*	0.0	13.4	*
Prostatectomy	32	3.1	2.0	*	3.1	4.0	*	3.1	5.8	*
Cholecystectomy	23	4.3	2.3	*	4.3	3.8	*	4.3	4.7	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,233	10.5	9.8	1.1	16.5	14.9	1.3	20.0	19.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	43	34.9	31.9	*	37.2	35.8	*	37.2	39.3	*
Congestive Heart Failure	66	10.6	18.6	9.7	19.7	28.1	10.4	28.8	35.5	8.9
Pneumonia/Influenza	52	23.1	19.9	6.2	32.7	26.8	8.4	34.6	32.2	8.4
Chronic Obstructive Pulmonary Disease	52	13.5	11.6	8.3	28.8	19.2	10.6	30.8	24.6	8.4
Transient Cerebral Ischemia	25	0.0	2.2	*	0.0	4.7	*	0.0	7.5	*
Stroke	42	26.2	21.8	*	33.3	28.8	*	35.7	33.5	*
Hip Fracture	30	6.7	6.6	*	10.0	12.2	*	13.3	15.9	*
Sepsis	16	31.3	30.4	*	37.5	37.1	*	37.5	43.7	*
PROCEDURES:										
Angioplasty	1	0.0	3.1	*	0.0	4.8	*	0.0	6.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	7.4	*	16.7	15.2	*	16.7	21.4	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	6	0.0	6.3	*	0.0	12.9	*	16.7	17.6	*
Open Reduction of Hip Fracture	18	5.6	4.3	*	5.6	8.5	*	5.6	11.4	*
Prostatectomy	36	0.0	1.8	*	8.3	4.3	*	11.1	7.1	*
Cholecystectomy	20	5.0	4.3	*	15.0	8.6	*	20.0	11.6	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

347.1



"30 Years of Heartfelt Care"

Sacred Heart Medical Center Medicare Provider #390148

January 14, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Sacred Heart Medical Center supports the efforts of the Health Care Financing Administration (NCFA) to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. There are a number of issues, however, that we feel must be taken into consideration concerning HCFA's annual release and publication of Medicare hospital mortality information.

First and foremost is that the hospital mortality rate as published by HCFA includes any deaths which occurred within 180 days of hospital admission regardless whether or not there was a direct correlation. For Sacred Heart, only 31% of the Medicare deaths being reported by HCFA actually occurred during hospitalization. The other 69% of the patients died after discharge from the hospital. Furthermore, as the hospital does not have access to post-discharge death information, it is impossible to verify the accuracy of the mortality data being reported by HCFA.

It is also important to note that the HCFA mortality data does not exclude patients diagnosed with terminal illness nor those for which the patient's family has requested that no life support measures be used. These are patients for which death would not be an unexpected outcome. Even though HCFA has made attempts to factor age into the statistical formula used for computing mortality rates, it is significant to note that 42% of Sacred Heart's Medicare deaths being reported by HCFA were above the age of 80. Again, one would expect a higher mortality rate when treating such an elderly population.

Ninth and Wilson Streets, Chester, Pennsylvania 19013 • (215) 494-0700 • Fax (215) 494-7177

Medicare Provider #390148

In terms of the mortality rates published for specific medical and surgical categories, caution must be used in drawing any conclusions as these categories are based on the patient's principal diagnosis (the reason, after study, which occasioned admission to the hospital) as opposed to the actual cause of death. The number of cases in these categories is also too small to draw meaningful conclusions.

Thank you for allowing us this opportunity to comment.

Sincerely,

Sister Shaun Patrice

Sister Shaun Patrice,
Vice-President, Quality Review
SACRED HEART MEDICAL CENTER

SP/deb

SACRED HEART HOSPITAL

421 Chew St
Allentown, PA 18102

Medicare Provider Number: 390197

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,247	8.6	8.6	0.6	13.4	13.2	0.7	17.0	16.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	58	29.3	26.1	6.4	31.0	29.4	6.4	32.8	33.0	7.0
Congestive Heart Failure	96	13.5	12.9	3.6	20.8	20.3	4.5	31.2	26.8	7.7
Pneumonia/Influenza	60	23.3	15.8	8.4	28.3	21.7	7.9	28.3	26.5	6.3
Chronic Obstructive Pulmonary Disease	33	9.1	8.8	*	18.2	15.2	*	18.2	20.6	*
Transient Cerebral Ischemia	48	2.1	2.1	*	4.2	4.8	*	4.2	7.7	*
Stroke	85	14.1	18.8	6.3	21.2	25.9	9.4	24.7	30.5	9.9
Hip Fracture	38	0.0	5.2	*	2.6	9.7	*	5.3	13.0	*
Sepsis	33	15.2	25.8	*	18.2	32.4	*	30.3	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	2.4	*	11.1	5.7	*	11.1	9.1	*
Carotid Endarterectomy	8	12.5	0.9	*	12.5	1.6	*	12.5	2.4	*
Hip Replacement/Reconstruction	26	0.0	3.3	*	7.7	6.5	*	7.7	9.3	*
Open Reduction of Hip Fracture	22	0.0	5.5	*	0.0	10.4	*	4.5	13.9	*
Prostatectomy	46	2.2	0.8	*	10.9	2.1	*	17.4	3.7	*
Cholecystectomy	61	1.6	3.9	3.1	3.3	6.1	3.9	6.6	7.4	4.0
Hysterectomy	26	0.0	0.8	*	0.0	1.4	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 247
Occupancy Rate 68
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 248
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 18
Registered Nurses 211
Licensed Practical Nurses 37

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SACRED HEART HOSPITAL

Medicare Provider Number: 390197

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,212	8.1	8.6	0.7	12.7	13.1	0.8	16.3	16.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	54	35.2	26.8	8.6	35.2	29.9	8.3	38.9	33.1	7.7
Congestive Heart Failure	101	15.8	15.1	4.1	23.8	23.4	4.2	30.7	30.1	5.3
Pneumonia/Influenza	49	18.4	15.3	*	22.4	21.1	*	22.4	25.6	*
Chronic Obstructive Pulmonary Disease	35	5.7	7.2	*	14.3	12.6	*	17.1	17.2	*
Transient Cerebral Ischemia	35	5.7	1.8	*	17.1	3.9	*	17.1	6.1	*
Stroke	91	18.7	19.4	4.5	23.1	26.4	5.2	27.5	31.1	5.8
Hip Fracture	54	13.0	5.9	4.9	14.8	10.7	5.2	14.8	13.8	6.1
Sepsis	19	15.8	24.9	*	21.1	33.1	*	26.3	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	3.9	*	9.1	7.6	*	9.1	11.1	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.1	*	12.5	3.1	*
Hip Replacement/Reconstruction	35	11.4	4.3	*	14.3	8.6	*	14.3	11.8	*
Open Reduction of Hip Fracture	29	13.8	5.5	*	17.2	10.3	*	17.2	13.4	*
Prostatectomy	73	2.7	1.0	2.5	8.2	2.5	3.3	9.6	4.2	3.9
Cholecystectomy	66	3.0	2.3	1.9	3.0	4.2	2.8	6.1	5.5	2.9
Hysterectomy	23	0.0	1.4	*	0.0	3.0	*	4.3	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,090	8.8	8.4	0.6	12.6	13.1	0.8	15.9	16.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	63	28.6	24.9	6.9	30.2	28.3	7.3	34.9	31.7	7.5
Congestive Heart Failure	108	13.9	16.7	4.5	18.5	25.0	6.0	26.9	31.8	5.6
Pneumonia/Influenza	50	20.0	16.9	*	24.0	23.4	*	24.0	28.5	*
Chronic Obstructive Pulmonary Disease	39	5.1	8.4	*	12.8	14.0	*	15.4	18.4	*
Transient Cerebral Ischemia	27	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	81	21.0	17.3	6.2	25.9	23.3	5.7	27.2	27.5	5.0
Hip Fracture	29	3.4	5.8	*	6.9	10.8	*	6.9	14.2	*
Sepsis	22	27.3	26.4	*	31.8	35.0	*	40.9	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	3.1	*	4.3	5.9	*	4.3	8.7	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	15	0.0	2.6	*	0.0	5.0	*	0.0	6.7	*
Open Reduction of Hip Fracture	17	5.9	5.1	*	5.9	10.1	*	5.9	13.5	*
Prostatectomy	49	0.0	1.3	*	2.0	3.1	*	6.1	5.0	*
Cholecystectomy	49	4.1	2.0	*	4.1	3.8	*	4.1	5.1	*
Hysterectomy	23	8.7	0.3	*	8.7	0.6	*	8.7	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SACRED HEART HOSPITAL & REHAB CENTER

1430 Dekalb St
Norristown, PA 19401

Medicare Provider Number: 390159

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,641	8.2	8.9	1.3	12.7	13.7	1.6	16.8	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	44	31.8	26.3	*	38.6	29.5	*	40.9	32.9	*
Congestive Heart Failure	103	8.7	15.4	5.3	16.5	23.9	6.7	25.2	30.9	6.8
Pneumonia/Influenza	50	10.0	17.4	*	12.0	23.4	*	12.0	28.1	*
Chronic Obstructive Pulmonary Disease	29	6.9	8.4	*	13.8	14.1	*	17.2	19.1	*
Transient Cerebral Ischemia	38	2.6	2.0	*	5.3	4.6	*	5.3	7.3	*
Stroke	68	13.2	20.6	8.0	16.2	28.4	9.2	25.0	33.2	8.2
Hip Fracture	33	6.1	6.3	*	18.2	11.7	*	21.2	15.5	*
Sepsis	14	21.4	31.5	*	28.6	40.2	*	35.7	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	3.8	*	0.0	7.9	*	8.3	11.6	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	21	9.5	2.6	*	19.0	5.2	*	23.8	7.2	*
Open Reduction of Hip Fracture	19	0.0	5.7	*	15.8	11.0	*	21.1	14.7	*
Prostatectomy	42	2.4	0.8	*	2.4	2.1	*	2.4	3.6	*
Cholecystectomy	30	3.3	3.6	*	6.7	5.6	*	10.0	7.2	*
Hysterectomy	15	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 260
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 301
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 222
Licensed Practical Nurses 57

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SACRED HEART HOSPITAL & REHAB CENTER

Medicare Provider Number: 390159

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,863	7.7	8.3	0.8	12.7	12.9	0.8	16.4	16.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	55	20.0	24.4	7.3	30.9	28.3	9.9	30.9	32.0	6.6
Congestive Heart Failure	106	13.2	16.4	4.0	19.8	24.5	5.4	22.6	31.5	7.4
Pneumonia/Influenza	50	8.0	15.7	*	14.0	21.1	*	16.0	25.6	*
Chronic Obstructive Pulmonary Disease	32	3.1	8.5	*	9.4	14.0	*	12.5	19.0	*
Transient Cerebral Ischemia	44	4.5	1.7	*	6.8	3.6	*	9.1	5.6	*
Stroke	65	12.3	19.7	9.7	20.0	27.0	11.5	24.6	31.7	10.4
Hip Fracture	35	5.7	6.0	*	17.1	11.0	*	22.9	14.3	*
Sepsis	25	28.0	33.3	*	36.0	40.4	*	56.0	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.6	*	6.7	8.4	*	6.7	12.1	*
Carotid Endarterectomy	7	0.0	1.7	*	0.0	3.6	*	14.3	5.4	*
Hip Replacement/Reconstruction	26	0.0	4.6	*	11.5	8.2	*	11.5	10.6	*
Open Reduction of Hip Fracture	18	11.1	5.4	*	22.2	10.2	*	27.8	13.4	*
Prostatectomy	64	0.0	0.8	1.3	0.0	1.9	2.4	3.1	3.3	2.2
Cholecystectomy	38	0.0	3.4	*	2.6	6.3	*	7.9	8.2	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,793	8.0	8.5	1.0	13.0	13.3	1.1	17.1	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	57	21.1	24.7	7.7	26.3	28.3	7.3	29.8	31.9	7.0
Congestive Heart Failure	117	10.3	15.6	4.7	22.2	23.5	4.5	23.9	30.3	6.5
Pneumonia/Influenza	57	19.3	16.4	9.0	26.3	22.3	9.6	26.3	26.9	10.7
Chronic Obstructive Pulmonary Disease	31	19.4	10.1	*	19.4	17.7	*	32.3	24.0	*
Transient Cerebral Ischemia	38	0.0	2.4	*	2.6	5.3	*	13.2	8.3	*
Stroke	68	17.6	17.4	5.0	23.5	24.4	5.9	29.4	28.8	6.4
Hip Fracture	28	0.0	4.9	*	3.6	9.2	*	3.6	12.4	*
Sepsis	18	27.8	30.5	*	27.8	39.1	*	27.8	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.5	*	0.0	5.4	*	0.0	8.2	*
Carotid Endarterectomy	14	0.0	1.4	*	7.1	2.9	*	7.1	4.3	*
Hip Replacement/Reconstruction	11	0.0	3.3	*	0.0	6.8	*	0.0	9.6	*
Open Reduction of Hip Fracture	16	0.0	4.2	*	6.3	8.0	*	6.3	10.7	*
Prostatectomy	41	2.4	1.0	*	2.4	2.4	*	4.9	3.8	*
Cholecystectomy	32	6.3	2.8	*	9.4	5.2	*	12.5	7.0	*
Hysterectomy	6	0.0	1.9	*	0.0	4.0	*	0.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

351.1

SACRED HEART HOSPITAL
AND
REHABILITATION CENTER



1430 DeKALB ST., NORRISTOWN, PA.
PHONE: 278-8200

January 15, 1991

Attention: Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: HCFA Mortality Data Comments 1989

Dear Sirs:

In accordance with the letter from Gail R. Wilensky, Ph.D. Administrator dated December 16, 1990, enclosed please find the comments of Sacred Heart Hospital, Norristown, PA (Medicare Provider #390159) on the 1989/1988/1987 HCFA Mortality Data which we would request be incorporated with the planned Spring 1991 publication of this information.

Thank you for the opportunity to submit these comments.

Sincerely,

A.C. Godin
President

ACG/CMA/smw

Enclosures

SACRED HEART HOSPITAL
AND
REHABILITATION CENTER



1430 DeKALB ST., NORRISTOWN, PA.
PHONE: 278-8200

Comments on the HCFA Mortality Data
Sacred Heart Hospital, Norristown PA
Medicare provider # 390159

Sacred Heart Hospital appreciates the opportunity to comment on the Health Care Financing Administration mortality data on our Medicare Patients. We were pleased to note that Sacred Heart Hospitals statistics did not indicate significant differences in the observed mortality from what was predicted.

As stated in our comments of last year's data release, Sacred Heart Hospital believes that caution should be used in terms of anyone reaching either general or specific conclusions about quality of care from mortality data.

Knowing the limitations of mortality data alone as a sole or valid quality indicator, Sacred Heart Hospital and its Medical Staff have developed and maintained for many years a formalized and intensive internal program of reviewing, analyzing and improving the quality of care provided to all of its patients. This program of peer review is based upon the standards of the Joint Commission on the Accreditation of Health Care Organizations, Medicare peer review requirements, various licensing bodies and other entities involved in the review and improvement of medical care. Peer review is performed on an ongoing basis and involves all of the departments within the hospital. The program is based on many different criteria against which the care of individual patients is compared, taking into account all of the significant factors related to their specific circumstances. If specific situations or patterns are identified, further indepth analysis is accomplished and corrective action is initiated.

All deaths are individually reviewed as part of the hospital's peer review and quality management program to focus on potential areas of improvement. Each case is analyzed because at the time of admission, particularly patients in the Medicare population which this data exclusively addresses, death is the expected outcome and medical intervention will not alter that outcome.

A key factor affecting the condition of a patient or their expected outcome which is not included in the model utilized by HCFA include a valid measure of admission severity based on clinical data (i.e. how sick the patient was at the time of admission). The data utilized was only that which is provided on billing data which may not include specific clinically pertinent elements.

SCRANTON STATE GENERAL HOSPITAL

201 Mulberry Street
Scranton, PA 18501

Medicare Provider Number: 390188

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10	0.0	13.8	*	10.0	21.5	*	10.0	27.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	1	0.0	31.6	*	100.0	42.6	*	100.0	50.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.1	*	0.0	2.6	*	0.0	4.6	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds 176
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 2
Registered Nurses 72
Licensed Practical Nurses 12

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SCRANTON STATE GENERAL HOSPITAL

Medicare Provider Number: 390188

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	424	9.2	9.5	1.4	14.9	13.8	1.8	19.6	17.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	26.5	*	33.3	29.2	*	33.3	32.7	*
Congestive Heart Failure	26	19.2	15.4	*	26.9	22.3	*	38.5	28.4	*
Pneumonia/Influenza	26	11.5	16.9	*	23.1	22.5	*	38.5	27.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.3	*	0.0	10.5	*	0.0	14.3	*
Transient Cerebral Ischemia	10	10.0	1.6	*	10.0	3.7	*	10.0	6.0	*
Stroke	15	20.0	24.5	*	40.0	30.7	*	60.0	35.2	*
Hip Fracture	7	0.0	9.0	*	14.3	15.9	*	14.3	20.0	*
Sepsis	4	50.0	36.4	*	75.0	45.0	*	75.0	50.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	0.9	*	100.0	2.1	*	100.0	3.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.6	*	0.0	10.1	*	0.0	12.8	*
Open Reduction of Hip Fracture	4	0.0	9.3	*	25.0	17.1	*	25.0	21.7	*
Prostatectomy	7	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy	6	16.7	1.7	*	16.7	3.2	*	16.7	4.5	*
Hysterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	430	13.0	11.6	1.7	19.5	16.7	2.3	24.7	20.6	2.8
CONDITIONS:										
Acute Myocardial Infarction	10	60.0	29.0	*	70.0	31.9	*	80.0	35.4	*
Congestive Heart Failure	34	17.6	15.0	*	29.4	22.1	*	41.2	28.2	*
Pneumonia/Influenza	37	16.2	20.6	*	24.3	27.3	*	29.7	32.5	*
Chronic Obstructive Pulmonary Disease	11	0.0	9.8	*	0.0	15.2	*	18.2	19.6	*
Transient Cerebral Ischemia	7	0.0	1.8	*	0.0	3.6	*	14.3	5.6	*
Stroke	16	25.0	23.9	*	25.0	31.4	*	25.0	35.9	*
Hip Fracture	16	6.3	7.1	*	6.3	12.0	*	18.8	15.3	*
Sepsis	5	80.0	32.0	*	80.0	36.7	*	80.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.5	*	0.0	5.9	*	0.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.0	*	0.0	8.5	*	0.0	10.9	*
Open Reduction of Hip Fracture	9	11.1	6.3	*	11.1	11.5	*	22.2	15.0	*
Prostatectomy	3	0.0	0.7	*	33.3	1.8	*	33.3	3.3	*
Cholecystectomy	5	20.0	5.1	*	20.0	9.4	*	20.0	11.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SEIDLE MEMORIAL HOSPITAL

Filbert & Simpson Sts
Mechanicsburg, PA 17055

Medicare Provider Number: 390014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5	20.0	17.8	*	20.0	19.7	*	40.0	21.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	40
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	49
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	0
Registered Nurses	10
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SEIDLE MEMORIAL HOSPITAL

Medicare Provider Number: 390014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	25	4.0	9.0	*	12.0	12.8	*	12.0	15.5	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	1	0.0	15.5	*	0.0	20.7	*	0.0	25.1	*
Chronic Obstructive Pulmonary Disease	1	0.0	6.5	*	0.0	11.3	*	0.0	15.7	*
Transient Cerebral Ischemia	0									
Stroke	3	33.3	41.4	*	66.7	52.5	*	66.7	59.0	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	129	7.0	12.4	4.8	11.6	16.9	5.5	16.3	20.9	5.9
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	36.0	*	18.2	39.0	*	27.3	42.9	*
Congestive Heart Failure	12	8.3	14.7	*	25.0	22.7	*	25.0	29.4	*
Pneumonia/Influenza	8	25.0	16.0	*	37.5	21.3	*	37.5	25.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	15.8	*	0.0	23.8	*	33.3	29.4	*
Transient Cerebral Ischemia	3	0.0	2.1	*	0.0	4.4	*	0.0	7.0	*
Stroke	6	0.0	27.4	*	0.0	35.6	*	16.7	41.0	*
Hip Fracture	0									
Sepsis	3	0.0	47.4	*	0.0	55.4	*	0.0	62.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SEWICKLEY VALLEY HOSPITAL

720 Blackburn Road
Sewickley, PA 15143

Medicare Provider Number: 390037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,356	8.1	8.8	0.7	13.5	13.4	0.8	17.1	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	85	32.9	27.1	9.5	36.5	31.0	8.9	40.0	34.5	8.0
Congestive Heart Failure	111	9.9	16.1	5.2	18.0	24.9	6.2	24.3	32.1	7.6
Pneumonia/Influenza	111	15.3	17.6	3.9	25.2	24.1	4.3	33.3	29.0	5.0
Chronic Obstructive Pulmonary Disease	49	10.2	6.9	*	20.4	11.8	*	22.4	15.9	*
Transient Cerebral Ischemia	36	0.0	1.8	*	2.8	3.9	*	2.8	6.2	*
Stroke	75	21.3	19.0	4.9	25.3	27.0	6.3	28.0	31.7	7.1
Hip Fracture	47	8.5	6.3	*	19.1	11.5	*	25.5	15.0	*
Sepsis	32	31.3	27.9	*	43.8	36.0	*	46.9	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	3,3	3.3	*	10.0	5.9	*	10.0	8.2	*
Carotid Endarterectomy	10	0.0	1.5	*	10.0	3.0	*	10.0	4.6	*
Hip Replacement/Reconstruction	69	1.4	1.5	1.7	4.3	2.8	2.7	5.8	3.8	3.8
Open Reduction of Hip Fracture	25	4.0	5.4	*	16.0	10.3	*	28.0	13.7	*
Prostatectomy	66	1.5	0.7	1.3	1.5	1.7	1.6	3.0	2.9	2.1
Cholecystectomy	45	2.2	2.8	*	8.9	5.1	*	13.3	6.8	*
Hysterectomy	27	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 215
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 151
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 283
Licensed Practical Nurses 82

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SEWICKLEY VALLEY HOSPITAL

Medicare Provider Number: 390037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,391	8.1	9.0	0.8	12.6	13.9	1.1	16.2	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	80	28.7	26.0	5.6	31.3	29.6	5.3	37.5	33.2	6.6
Congestive Heart Failure	107	21.5	17.6	4.9	30.8	27.1	5.7	35.5	34.6	4.8
Pneumonia/Influenza	100	10.0	16.9	6.7	18.0	23.0	6.2	23.0	27.5	6.2
Chronic Obstructive Pulmonary Disease	71	4.2	7.6	5.0	7.0	13.4	6.2	15.5	18.2	5.4
Transient Cerebral Ischemia	36	0.0	2.4	*	8.3	5.3	*	13.9	8.4	*
Stroke	75	16.0	20.7	7.8	22.7	28.1	8.1	28.0	32.7	8.0
Hip Fracture	70	5.7	6.4	4.7	14.3	11.8	4.9	15.7	15.3	4.4
Sepsis	26	15.4	33.6	*	23.1	43.5	*	30.8	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	6.3	*	10.0	9.0	*	10.0	11.4	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	62	1.6	2.2	2.1	4.8	4.4	2.6	4.8	6.1	3.2
Open Reduction of Hip Fracture	42	4.8	5.6	*	14.3	10.9	*	16.7	14.5	*
Prostatectomy	72	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	58	1.7	3.0	3.2	3.4	5.6	4.5	3.4	7.7	5.3
Hysterectomy	18	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,361	9.0	9.3	1.3	13.3	14.0	1.1	16.7	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	74	24.3	26.2	6.2	32.4	29.6	6.3	35.1	33.1	7.9
Congestive Heart Failure	130	14.6	17.1	5.7	20.8	25.7	5.9	31.5	32.6	4.4
Pneumonia/Influenza	109	18.3	16.8	5.1	25.7	23.2	5.1	28.4	28.1	4.5
Chronic Obstructive Pulmonary Disease	97	5.2	11.6	4.3	14.4	18.8	4.6	18.6	24.1	5.2
Transient Cerebral Ischemia	34	0.0	2.3	*	2.9	5.0	*	5.9	8.1	*
Stroke	83	21.7	21.1	5.5	25.3	28.2	5.6	28.9	32.5	7.4
Hip Fracture	49	14.3	6.3	*	18.4	11.5	*	20.4	15.0	*
Sepsis	23	30.4	33.3	*	34.8	42.6	*	43.5	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.8	*	0.0	7.1	*	8.3	10.1	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	50	2.0	1.5	*	4.0	3.2	*	4.0	4.8	*
Open Reduction of Hip Fracture	38	15.8	5.6	*	21.1	10.8	*	23.7	14.4	*
Prostatectomy	89	1.1	0.7	1.1	2.2	1.8	1.5	3.4	3.1	1.8
Cholecystectomy	52	3.8	3.8	3.0	5.8	6.8	3.6	5.8	9.0	4.8
Hysterectomy	20	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SHADYSIDE HOSPITAL

5230 Centre Ave
Pittsburgh, PA 15232

Medicare Provider Number: 390055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,641	6.7	8.1	0.4	11.1	12.8	0.7	13.9	16.5	0.6
CONDITIONS:										
Acute Myocardial Infarction	150	22.0	26.3	4.6	24.0	29.6	5.0	26.0	33.2	6.0
Congestive Heart Failure	220	10.9	15.4	3.0	20.5	24.0	3.2	25.5	31.0	3.8
Pneumonia/Influenza	121	14.0	16.9	4.6	24.0	23.0	4.1	27.3	27.9	4.3
Chronic Obstructive Pulmonary Disease	88	10.2	7.0	4.6	17.0	12.6	4.9	19.3	17.5	4.2
Transient Cerebral Ischemia	71	1.4	1.7	1.8	1.4	3.6	2.9	4.2	5.7	3.0
Stroke	112	19.6	20.7	4.0	22.3	27.5	5.4	25.9	32.0	5.9
Hip Fracture	67	6.0	6.9	3.2	13.4	12.6	4.5	13.4	16.5	5.2
Sepsis	27	25.9	29.4	*	44.4	37.8	*	48.1	44.2	*
PROCEDURES:										
Angioplasty	286	3.8	3.0	1.1	5.2	4.1	1.4	6.6	5.4	1.6
Coronary Artery Bypass Graft	228	4.8	5.6	2.8	7.5	8.6	3.4	8.3	10.4	2.7
Initial Pacemaker Insertion	36	5.6	2.7	*	5.6	5.6	*	5.6	8.4	*
Carotid Endarterectomy	23	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	60	3.3	3.1	2.8	5.0	6.0	4.0	5.0	8.0	4.7
Open Reduction of Hip Fracture	35	2.9	5.7	*	11.4	11.0	*	11.4	14.8	*
Prostatectomy	165	1.2	1.4	0.9	3.0	3.4	1.6	4.2	5.7	1.9
Cholecystectomy	70	0.0	3.0	*	1.4	5.5	*	1.4	7.2	*
Hysterectomy	18	0.0	1.1	*	11.1	2.4	*	11.1	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 401
Occupancy Rate 86
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 343
Percent of Physicians Board Certified Specialists 87
Medical Residents/Interns 62
Registered Nurses 456
Licensed Practical Nurses 32

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SHADYSIDE HOSPITAL

Medicare Provider Number: 390055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,505	6.6	8.7	0.5	11.1	13.3	0.5	14.3	17.0	0.6
CONDITIONS:										
Acute Myocardial Infarction	161	21.7	25.8	3.9	23.0	29.1	4.4	24.2	32.7	5.3
Congestive Heart Failure	214	8.9	16.3	3.8	17.3	25.2	4.4	23.8	32.3	4.6
Pneumonia/Influenza	118	15.3	17.6	4.1	24.6	23.7	4.2	28.8	28.5	4.4
Chronic Obstructive Pulmonary Disease	83	4.8	8.2	5.6	8.4	14.0	6.6	14.5	19.2	6.9
Transient Cerebral Ischemia	75	0.0	1.7	2.5	1.3	3.5	3.8	5.3	5.5	3.8
Stroke	131	15.3	19.9	7.4	20.6	27.0	8.5	26.0	31.6	8.3
Hip Fracture	36	2.8	6.7	*	13.9	12.7	*	16.7	16.9	*
Sepsis	33	18.2	33.7	*	30.3	40.9	*	39.4	47.2	*
PROCEDURES:										
Angioplasty	261	2.3	3.5	1.6	3.4	4.7	1.7	5.0	6.1	1.7
Coronary Artery Bypass Graft	184	8.7	6.1	2.7	10.3	9.0	2.3	11.4	10.8	2.3
Initial Pacemaker Insertion	58	6.9	4.7	3.7	12.1	8.4	5.8	12.1	11.7	5.8
Carotid Endarterectomy	30	3.3	1.6	*	3.3	3.0	*	3.3	4.4	*
Hip Replacement/Reconstruction	43	2.3	3.3	*	7.0	5.7	*	7.0	7.5	*
Open Reduction of Hip Fracture	18	5.6	6.1	*	22.2	12.1	*	27.8	16.4	*
Prostatectomy	103	1.0	1.5	1.2	2.9	3.6	2.0	4.9	5.8	2.5
Cholecystectomy	65	1.5	3.1	2.6	7.7	5.3	3.4	7.7	6.8	3.8
Hysterectomy	17	0.0	1.4	*	0.0	2.8	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,421	7.1	8.8	0.4	11.1	13.5	0.6	14.4	17.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	148	27.7	26.6	4.3	29.7	30.2	4.2	33.1	33.8	4.0
Congestive Heart Failure	189	12.7	16.4	5.1	20.6	25.0	5.3	27.0	32.0	5.4
Pneumonia/Influenza	85	17.6	20.1	7.5	20.0	27.1	8.9	25.9	32.5	10.5
Chronic Obstructive Pulmonary Disease	165	4.8	11.5	3.5	8.5	19.1	4.2	15.2	24.7	4.2
Transient Cerebral Ischemia	77	1.3	1.8	*	1.3	3.8	*	1.3	5.8	*
Stroke	106	13.2	23.3	6.8	22.6	30.8	6.4	26.4	35.5	7.3
Hip Fracture	61	13.1	8.0	6.8	16.4	14.1	6.5	23.0	18.1	8.0
Sepsis	31	29.0	33.9	*	48.4	42.1	*	54.8	49.3	*
PROCEDURES:										
Angioplasty	184	2.2	3.6	2.2	2.7	4.7	2.3	5.4	6.0	1.8
Coronary Artery Bypass Graft	162	7.4	6.1	2.8	8.0	8.8	3.4	8.6	10.4	4.0
Initial Pacemaker Insertion	58	5.2	4.0	4.9	12.1	7.6	5.7	13.8	10.8	5.8
Carotid Endarterectomy	24	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	44	6.8	2.8	*	6.8	5.1	*	9.1	6.7	*
Open Reduction of Hip Fracture	35	11.4	6.5	*	17.1	12.5	*	20.0	16.6	*
Prostatectomy	162	2.5	1.7	1.9	7.4	4.0	2.3	12.3	6.5	3.1
Cholecystectomy	52	1.9	3.8	3.2	3.8	6.7	4.5	5.8	8.8	5.7
Hysterectomy	25	4.0	0.9	*	4.0	2.0	*	4.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SHADYSIDE HOSPITAL
Pittsburgh, Pennsylvania
RESPONSE TO HCFA MORTALITY STATISTICS

SHADYSIDE HOSPITAL
5230 Centre Avenue
Pittsburgh, Pennsylvania 15232
412/622-2121

Medicare Provider Number 390055

INTRODUCTION:

Shadyside Hospital is a 476-bed tertiary regional referral center, community hospital, and teaching institution located in Pittsburgh, Pennsylvania, with a Medical Staff of 468-affiliated physicians and over 2,000 employees.

The Hospital's major specialties include Cardiology, Cardiothoracic Surgery, Endocrinology, Family Practice, Geriatric Health Services, Internal Medicine, Neurosciences, Oncology, Orthopedics, and Pulmonary Medicine. Approximately 33% of the Hospital's admissions are for cardiac disorders generating, in part from areas outside the immediate service area, including Western Pennsylvania, parts of Ohio and West Virginia.

The Hospital had 17,244 discharges in Fiscal Year 1990, and the seven day occupancy of set-up and staffed beds averaged 88.1%. Patients over the age of 65 totaled approximately 50.9%.

FY1989 MEDICARE HOSPITAL MORTALITY RATES REPORT:

Shadyside Hospital is committed to providing quality health care, and as a Pennsylvania Hospital, is currently using MedisGroups as well as well as a comprehensive quality assurance program to achieve a continuous quality management. In the five years of Medicare Hospital Mortality Rates reports, there have been continuous efforts on the part of HCFA to render the data to be more useful as a quality measure. Because the comparison of such data over time is helpful in tracking and trending, HCFA's adjustment of the previous five years of data to this year's methodology is useful.

METHODOLOGY:

The use of principal diagnoses instead of clusters of DRG's provides more accurate diagnostic parameters to use in sampling, as DRG's sort by procedure as well as diagnosis. The elimination of calculated ranges of expected mortality reduces the tendency of a facility at the top or bottom of the range to be seen as "good" or "bad." In addition, the presentation of cumulative death rates at 30, 90, and 180 day points following the hospital admission allow the hospital to explore the implications related to immediate post hospital care and extended aftercare. However useful mortality rates may be to the hospital, mortality rates have come under scrutiny as a single measure of quality, it should hence not be released to the public as a measure of quality unless there is extensive accompanying explanation.

CONCERNS REGARDING METHODOLOGY:

Although certain changes in the methodology can be perceived as positive, it is difficult for the public to understand HCFA's computation of predicted rates and the degree of confidence portrayed by the inclusion of standard deviations. It is likewise difficult for the public to determine the true meaning of a post admission death that occurs at intervals of 30, 90, and 180 days to understand the data. The public will need to be aware of other factors contributing to a death post discharge. Because the number of admissions analyzed may be less than the total Medicare admissions for the period studied, sampling methods should be explained to the public.

In reviewing the methodology used to calculate the expected mortality rates, there is a question as to whether "acute episodes of illness" is fundamental in the calculation of the expected mortality rates. Since some of the conditions reported include both chronic and acute conditions, the data may be more valuable if the rates were stratified according to chronic and acute illnesses. A patient mortality with the diagnosis of Chronic Obstructive Pulmonary Disease, which is reported as a Shadyside Hospital mortality, may not be as meaningful to the hospital as a patient mortality with a diagnosis of Acute Myocardial Infarction. In the former case services rendered to these patients may be shared by several health care institutions whereas in the latter case one hospital may be the sole provider of patient care.

In validating some of the data provided, mortalities identified in the COPD sample were reviewed. 5.7% of the mortalities occurred prior to discharge from the hospital. Stratifying the mortality data by cause of death against diagnosis and/or procedure may be valuable in uncovering confounding variables that may have contributed to the death. As the gap between the discharge date and the morality date widens, the cause of death becomes a more critical issue to examine.

SHADYSIDE HOSPITAL FURTHER STUDY

Shadyside Hospital is a tertiary facility with a high volume of patient referrals including a significant volume of patients received as emergency transfers and requiring surgery within 24 hours of admission. Although Shadyside Hospital data shows little difference between predicted and observed rates when the appropriate statistical analyses are applied, it is our intent to use any rate variations for certain conditions and procedures to determine directions of any further study in our Quality Assurance.

SHAMOKIN STATE GENERAL HOSPITAL

Route 2
Shamokin, PA 17872

Medicare Provider Number: 390189

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	754	10.6	9.8	1.9	15.6	14.3	2.2	19.1	17.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	53	17.0	24.9	10.3	17.0	27.9	11.1	17.0	31.2	12.6
Congestive Heart Failure	75	10.7	14.1	4.9	22.7	21.2	5.2	29.3	27.4	6.0
Pneumonia/Influenza	55	10.9	15.4	7.4	20.0	20.7	5.8	23.6	25.1	6.1
Chronic Obstructive Pulmonary Disease	14	0.0	8.1	*	7.1	13.3	*	7.1	17.8	*
Transient Cerebral Ischemia	17	5.9	2.2	*	5.9	4.9	*	11.8	7.9	*
Stroke	23	30.4	19.6	*	43.5	27.0	*	43.5	31.7	*
Hip Fracture	26	30.8	8.7	*	42.3	14.9	*	42.3	18.6	*
Sepsis	5	40.0	22.9	*	40.0	29.7	*	40.0	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.8	*	0.0	3.6	*	0.0	5.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	16.7	6.0	*	25.0	11.1	*	25.0	14.3	*
Open Reduction of Hip Fracture	13	46.2	9.5	*	69.2	16.7	*	69.2	20.9	*
Prostatectomy	28	0.0	0.7	*	0.0	1.8	*	3.6	3.1	*
Cholecystectomy	12	16.7	6.1	*	16.7	8.6	*	16.7	9.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 65
Occupancy Rate 45
Ownership/Control ..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SHAMOKIN STATE GENERAL HOSPITAL

Medicare Provider Number: 390189

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	798	10.7	10.0	1.1	16.3	14.5	1.7	20.1	18.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	60	16.7	27.1	10.0	23.3	30.1	10.0	25.0	33.5	8.0
Congestive Heart Failure	49	26.5	17.3	*	42.9	25.7	*	46.9	32.8	*
Pneumonia/Influenza	47	14.9	15.9	*	23.4	21.7	*	34.0	26.4	*
Chronic Obstructive Pulmonary Disease	20	0.0	8.4	*	0.0	14.0	*	15.0	19.0	*
Transient Cerebral Ischemia	20	0.0	2.0	*	5.0	4.3	*	5.0	6.7	*
Stroke	31	19.4	18.0	*	35.5	25.3	*	38.7	29.9	*
Hip Fracture	17	17.6	8.6	*	17.6	14.3	*	23.5	17.7	*
Sepsis	7	14.3	27.2	*	28.6	36.1	*	42.9	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	20.0	8.0	*	20.0	14.3	*	30.0	17.9	*
Open Reduction of Hip Fracture	6	16.7	6.1	*	16.7	10.5	*	16.7	13.2	*
Prostatectomy	26	3.8	0.6	*	3.8	1.5	*	7.7	2.5	*
Cholecystectomy	16	6.3	2.4	*	6.3	4.2	*	6.3	5.4	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	841	13.8	10.7	1.5	16.8	15.4	1.3	19.4	19.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	66	31.8	31.1	6.1	31.8	34.2	6.9	31.8	37.5	8.9
Congestive Heart Failure	60	23.3	16.8	6.2	28.3	25.1	6.1	30.0	32.1	6.8
Pneumonia/Influenza	47	23.4	17.3	*	29.8	23.8	*	29.8	28.9	*
Chronic Obstructive Pulmonary Disease	28	14.3	10.6	*	14.3	18.4	*	21.4	24.4	*
Transient Cerebral Ischemia	18	0.0	2.0	*	11.1	4.3	*	11.1	6.9	*
Stroke	42	33.3	17.7	*	38.1	24.8	*	42.9	29.1	*
Hip Fracture	17	11.8	7.8	*	23.5	13.8	*	29.4	17.3	*
Sepsis	12	33.3	35.5	*	33.3	42.2	*	41.7	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	5.3	*	0.0	9.7	*	16.7	12.5	*
Open Reduction of Hip Fracture	9	11.1	6.4	*	33.3	12.0	*	33.3	15.7	*
Prostatectomy	24	0.0	0.6	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	20	10.0	3.1	*	10.0	5.4	*	15.0	6.8	*
Hysterectomy	2	0.0	3.1	*	0.0	6.6	*	50.0	10.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SHARON REGIONAL HEALTH SYSTEM

740 East State Street
Sharon, PA 16146

Medicare Provider Number: 390211

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,748	7.6	9.7	1.0	12.4	14.3	1.1	15.3	18.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	67	25.4	28.6	6.6	31.3	32.2	8.2	32.8	35.9	8.6
Congestive Heart Failure	96	16.7	16.1	3.8	27.1	24.5	5.3	30.2	31.4	4.8
Pneumonia/Influenza	65	12.3	16.7	6.5	20.0	22.7	5.6	27.7	27.2	7.0
Chronic Obstructive Pulmonary Disease	47	4.3	9.1	*	17.0	15.7	*	21.3	21.3	*
Transient Cerebral Ischemia	35	2.9	1.7	*	2.9	3.5	*	5.7	5.5	*
Stroke	61	11.5	21.4	6.5	19.7	27.7	8.8	19.7	32.1	7.5
Hip Fracture	34	5.9	8.7	*	14.7	14.7	*	20.6	18.5	*
Sepsis	31	9.7	27.0	*	25.8	34.7	*	38.7	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	4.3	*	12.5	7.0	*	12.5	9.4	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	18	0.0	4.2	*	5.6	8.1	*	5.6	11.3	*
Open Reduction of Hip Fracture	17	11.8	7.9	*	29.4	13.8	*	41.2	17.2	*
Prostatectomy	94	0.0	0.6	1.0	1.1	1.4	1.3	2.1	2.4	1.7
Cholecystectomy	24	0.0	3.4	*	8.3	5.8	*	8.3	7.4	*
Hysterectomy	10	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 238
Occupancy Rate 60
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 74
Percent of Physicians Board Certified Specialists 57
Medical Residents/Interns 0
Registered Nurses 153
Licensed Practical Nurses 28

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SHARON REGIONAL HEALTH SYSTEM

Medicare Provider Number: 390211

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,765	7.8	10.4	1.0	13.3	15.3	1.2	16.3	19.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	46	26.1	32.4	*	37.0	36.9	*	43.5	40.8	*
Congestive Heart Failure	89	11.2	17.1	7.1	24.7	25.4	6.6	31.5	32.2	5.7
Pneumonia/Influenza	80	17.5	18.9	5.3	21.2	24.9	6.1	26.2	29.7	6.2
Chronic Obstructive Pulmonary Disease	61	6.6	8.6	3.8	6.6	14.6	6.7	16.4	19.7	5.3
Transient Cerebral Ischemia,	37	0.0	2.0	*	5.4	4.4	*	5.4	6.8	*
Stroke	65	15.4	21.3	6.4	26.2	28.2	6.5	27.7	32.8	7.3
Hip Fracture	39	7.7	8.4	*	12.8	14.7	*	17.9	18.6	*
Sepsis	26	15.4	28.7	*	15.4	37.7	*	19.2	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	33.3	16.1	*	33.3	21.6	*	33.3	25.4	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	17	0.0	5.1	*	11.8	9.4	*	17.6	12.2	*
Open Reduction of Hip Fracture	19	5.3	7.2	*	5.3	13.4	*	10.5	17.3	*
Prostatectomy	84	0.0	1.2	1.6	3.6	2.8	2.7	3.6	4.3	3.3
Cholecystectomy	32	3.1	3.7	*	9.4	6.4	*	9.4	8.2	*
Hysterectomy	15	6.7	0.3	*	6.7	0.6	*	6.7	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,762	8.5	10.0	1.0	12.8	15.0	1.2	16.7	18.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	62	25.8	34.5	7.5	32.3	38.4	7.6	35.5	42.0	6.9
Congestive Heart Failure	87	12.6	16.4	5.5	25.3	24.6	4.7	29.9	31.6	6.0
Pneumonia/Influenza	64	14.1	17.4	7.1	21.9	23.1	5.5	26.6	27.8	6.3
Chronic Obstructive Pulmonary Disease	34	8.8	12.5	*	11.8	20.1	*	17.6	25.6	*
Transient Cerebral Ischemia	42	4.8	2.3	*	9.5	5.0	*	14.3	7.9	*
Stroke	77	18.2	24.7	8.3	19.5	31.5	7.9	26.0	36.0	8.4
Hip Fracture	35	8.6	8.4	*	8.6	14.9	*	14.3	19.0	*
Sepsis	23	26.1	23.9	*	30.4	32.1	*	34.8	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.2	*	11.1	5.8	*	11.1	8.1	*
Carotid Endarterectomy	2	0.0	2.4	*	0.0	5.4	*	0.0	8.5	*
Hip Replacement/Reconstruction	16	0.0	5.8	*	0.0	10.5	*	0.0	13.7	*
Open Reduction of Hip Fracture	13	7.7	5.6	*	7.7	10.7	*	15.4	14.2	*
Prostatectomy	96	0.0	1.3	2.5	3.1	3.3	2.3	5.2	5.6	2.7
Cholecystectomy	30	6.7	2.7	*	10.0	4.4	*	10.0	5.3	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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SHARON
REGIONAL
HEALTH
SYSTEM

January 14, 1991

ATTN: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Gentlemen:

We appreciate the opportunity to comment on the data provided to us by the HCFA Health Standards and Quality Bureau.

This report categorizes patients by procedures and diagnosis at discharge and not at time of death. The two may be totally unrelated. For example, one patient successfully treated for an open hip reduction died as a result of injuries sustained in an auto accident. This fatality was included in our data as a death resulting from an open hip reduction.

We were unable to verify 30% of deaths reported in our data because these deaths (84 of 267) did not occur during an admission to this facility.

Sharon Regional Health System has an ongoing Quality Assurance Program which monitors and evaluates all aspects of patient care. This program serves to assure that Sharon Regional Health System is continually taking action to improve patient care and assess effectiveness.

The Medical Staff at Sharon Regional Health System reviews each mortality to assure that the patient received appropriate care. During these reviews, all aspects of the patient's illness are considered including non-quantifiable factors.

We support the concept of making mortality data available to the public, however we continue to have strong concerns about using this data in its present form.

Sincerely,

Ed Newmeyer

Ed Newmeyer, Director
Marketing/Community Relations

Hubbard Community Medical Center
Mercer Area Medical Center

Sharon Regional:
Behavioral Health Center
Cancer Treatment Program
Cardiac Treatment Center
Corporate Health Services
Emergency Care Center
Express Care Centers
Home Health Agency
Hospice Home Care
Nursing-Rehabilitation Center
School of Nursing
School of Radiography
Women's Center

740 East State Street
Sharon, Pennsylvania 16146

(412) 983-3911

Wayne W. Johnston
President

SHENANGO VALLEY MEDICAL CENTER

2200 Memorial Drive
Farrell, PA 16121

Medicare Provider Number: 390165

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	958	9.5	9.1	1.0	14.5	14.0	1.3	17.6	17.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	20	35.0	23.8	*	45.0	27.1	*	45.0	30.3	*
Congestive Heart Failure	55	7.3	15.2	7.3	18.2	22.4	6.9	29.1	29.0	6.1
Pneumonia/Influenza	48	14.6	16.5	*	18.7	22.5	*	25.0	27.1	*
Chronic Obstructive Pulmonary Disease	46	19.6	10.2	*	26.1	17.4	*	32.6	23.4	*
Transient Cerebral Ischemia	22	0.0	1.9	*	0.0	4.4	*	0.0	7.1	*
Stroke	20	30.0	17.9	*	35.0	25.2	*	35.0	29.7	*
Hip Fracture	17	0.0	8.1	*	5.9	15.3	*	17.6	20.3	*
Sepsis	11	54.5	38.1	*	63.6	46.3	*	63.6	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.8	*	100.0	8.7	*	100.0	12.1	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.3	*	0.0	1.9	*
Hip Replacement/Reconstruction	12	0.0	5.7	*	0.0	11.2	*	8.3	14.8	*
Open Reduction of Hip Fracture	1	0.0	5.0	*	0.0	10.0	*	0.0	13.8	*
Prostatectomy	11	0.0	1.3	*	9.1	3.4	*	9.1	5.7	*
Cholecystectomy	10	0.0	2.6	*	10.0	4.1	*	10.0	5.5	*
Hysterectomy	7	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 105
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 38
Percent of Physicians Board Certified Specialists 53
Medical Residents/Interns 8
Registered Nurses 93
Licensed Practical Nurses 44

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SHENANGO VALLEY MEDICAL CENTER

Medicare Provider Number: 390165

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,012	8.4	8.9	1.2	13.3	13.6	2.0	16.2	17.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	21	38.1	27.1	*	42.9	30.1	*	47.6	33.1	*
Congestive Heart Failure	61	18.0	18.1	5.2	27.9	26.7	5.9	36.1	33.9	6.9
Pneumonia/Influenza	66	9.1	16.4	6.5	15.2	21.8	7.0	16.7	26.1	8.7
Chronic Obstructive Pulmonary Disease	31	3.2	13.7	*	6.5	19.7	*	9.7	25.2	*
Transient Cerebral Ischemia	26	3.8	2.3	*	7.7	5.2	*	7.7	7.9	*
Stroke	31	12.9	15.4	*	12.9	22.1	*	16.1	26.4	*
Hip Fracture	18	11.1	7.9	*	16.7	14.0	*	22.2	17.8	*
Sepsis	10	20.0	25.0	*	20.0	34.3	*	20.0	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	0.0	4.7	*	0.0	7.4	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	10	0.0	5.1	*	0.0	9.0	*	0.0	11.3	*
Open Reduction of Hip Fracture	8	12.5	5.9	*	12.5	10.9	*	25.0	14.3	*
Prostatectomy	15	6.7	1.5	*	6.7	3.9	*	6.7	6.8	*
Cholecystectomy	13	0.0	2.9	*	7.7	6.1	*	7.7	9.0	*
Hysterectomy	6	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,005	8.6	9.6	1.1	12.2	14.3	1.5	15.4	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	21	47.6	33.6	*	52.4	36.5	*	52.4	39.5	*
Congestive Heart Failure	59	11.9	16.2	5.3	16.9	23.6	6.5	23.7	29.8	6.7
Pneumonia/Influenza	67	14.9	17.3	6.7	19.4	23.2	7.5	22.4	28.1	8.8
Chronic Obstructive Pulmonary Disease	44	9.1	12.4	*	20.5	19.5	*	20.5	24.5	*
Transient Cerebral Ischemia	35	0.0	2.7	*	0.0	5.7	*	0.0	8.9	*
Stroke	38	23.7	23.4	*	31.6	30.8	*	42.1	35.5	*
Hip Fracture	20	10.0	7.6	*	15.0	13.1	*	15.0	16.6	*
Sepsis	9	22.2	38.0	*	33.3	50.3	*	33.3	59.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	37.5	9.1	*	50.0	16.0	*	50.0	20.6	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	9	0.0	2.9	*	0.0	5.0	*	0.0	6.3	*
Open Reduction of Hip Fracture	4	0.0	4.5	*	0.0	8.1	*	0.0	10.5	*
Prostatectomy	23	0.0	1.4	*	8.7	3.4	*	8.7	5.9	*
Cholecystectomy	18	5.6	1.8	*	5.6	3.1	*	5.6	3.9	*
Hysterectomy	6	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOLDIERS & SAILORS MEMORIAL HOSPITAL

32-36 Central Ave
Wellsboro, PA 16901

Medicare Provider Number: 390043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	886	9.7	8.2	1.2	13.0	12.8	1.4	17.2	16.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	36	36.1	22.9	*	44.4	27.5	*	44.4	31.4	*
Congestive Heart Failure	67	13.4	15.4	4.9	22.4	23.7	6.7	29.9	30.2	6.2
Pneumonia/Influenza	61	26.2	16.0	9.3	31.1	22.4	9.8	36.1	27.3	10.0
Chronic Obstructive Pulmonary Disease	24	4.2	6.2	*	4.2	11.8	*	4.2	16.8	*
Transient Cerebral Ischemia	26	0.0	2.1	*	0.0	4.6	*	3.8	7.4	*
Stroke	27	25.9	20.7	*	29.6	26.5	*	40.7	31.0	*
Hip Fracture	21	0.0	5.5	*	4.8	10.4	*	9.5	14.0	*
Sepsis	6	0.0	26.5	*	0.0	35.1	*	33.3	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	2.7	*	0.0	5.3	*	0.0	7.5	*
Open Reduction of Hip Fracture	2	0.0	3.0	*	0.0	5.6	*	0.0	7.5	*
Prostatectomy	21	0.0	0.7	*	0.0	1.7	*	4.8	3.1	*
Cholecystectomy	29	6.9	2.1	*	6.9	3.9	*	10.3	5.1	*
Hysterectomy	3	0.0	1.2	*	0.0	2.7	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 127
Occupancy Rate 49
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 36
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 0
Registered Nurses 58
Licensed Practical Nurses 44

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SOLDIERS & SAILORS MEMORIAL HOSPITAL

Medicare Provider Number: 390043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	958	11.2	8.5	1.2	15.1	12.9	1.3	18.2	16.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	22.5	*	34.3	26.1	*	37.1	29.8	*
Congestive Heart Failure	48	10.4	13.7	*	27.1	21.5	*	35.4	28.0	*
Pneumonia/Influenza	55	21.8	17.7	6.0	29.1	24.1	6.7	36.4	29.0	8.3
Chronic Obstructive Pulmonary Disease	32	6.3	6.8	*	12.5	12.6	*	15.6	17.9	*
Transient Cerebral Ischemia	34	5.9	2.4	*	5.9	5.5	*	8.8	8.8	*
Stroke	38	34.2	25.3	*	44.7	31.5	*	47.4	36.5	*
Hip Fracture	22	18.2	4.8	*	18.2	8.8	*	27.3	11.6	*
Sepsis	13	30.8	31.8	*	38.5	39.2	*	38.5	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	100.0	6.3	*	100.0	13.8	*	100.0	20.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	3.5	*	8.3	6.8	*	16.7	9.1	*
Open Reduction of Hip Fracture	3	0.0	4.0	*	0.0	7.5	*	33.3	10.1	*
Prostatectomy	21	0.0	0.9	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy	23	0.0	2.1	*	0.0	3.7	*	0.0	4.9	*
Hysterectomy	6	16.7	1.5	*	16.7	3.1	*	16.7	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	936	8.5	8.2	1.3	13.2	12.5	1.1	16.7	16.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	38	31.6	20.6	*	31.6	24.2	*	31.6	27.9	*
Congestive Heart Failure	61	14.8	15.1	4.6	19.7	23.4	6.2	27.9	30.3	6.5
Pneumonia/Influenza	42	7.1	15.4	*	14.3	21.0	*	19.0	25.8	*
Chronic Obstructive Pulmonary Disease	31	0.0	6.0	*	9.7	11.1	*	9.7	15.4	*
Transient Cerebral Ischemia	34	0.0	2.1	*	8.8	4.7	*	8.8	7.7	*
Stroke	42	26.2	20.3	*	35.7	26.7	*	38.1	31.5	*
Hip Fracture	18	5.6	4.7	*	16.7	9.1	*	16.7	12.3	*
Sepsis	5	0.0	22.3	*	0.0	29.4	*	0.0	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	2.9	*	0.0	6.1	*	0.0	8.5	*
Open Reduction of Hip Fracture	1	0.0	3.5	*	0.0	6.5	*	0.0	8.9	*
Prostatectomy	18	0.0	0.7	*	0.0	1.7	*	5.6	3.0	*
Cholecystectomy	18	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Hysterectomy	7	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOMERSET COMMUNITY HOSPITAL

225 S Center Ave
Somerset, PA 15501

Medicare Provider Number: 390039

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,083	9.2	9.5	1.2	13.7	13.9	1.1	16.9	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	61	29.5	29.1	5.8	39.3	33.6	6.8	41.0	37.6	7.2
Congestive Heart Failure	43	23.3	15.9	*	37.2	25.2	*	39.5	32.5	*
Pneumonia/Influenza	64	12.5	15.9	6.9	15.6	21.6	8.6	21.9	26.1	9.1
Chronic Obstructive Pulmonary Disease	27	11.1	9.9	*	18.5	16.9	*	22.2	23.0	*
Transient Cerebral Ischemia	20	0.0	1.9	*	5.0	4.3	*	10.0	7.2	*
Stroke	39	23.1	22.5	*	35.9	30.7	*	41.0	35.8	*
Hip Fracture	22	9.1	6.1	*	18.2	11.2	*	18.2	14.8	*
Sepsis	14	42.9	20.9	*	57.1	27.3	*	57.1	32.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	4.3	*	25.0	7.8	*	25.0	10.5	*
Open Reduction of Hip Fracture	9	11.1	4.9	*	11.1	9.3	*	11.1	12.4	*
Prostatectomy	23	0.0	1.2	*	0.0	3.1	*	0.0	5.3	*
Cholecystectomy	29	3.4	2.1	*	3.4	3.3	*	3.4	4.1	*
Hysterectomy	8	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	117
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	49
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	66
Licensed Practical Nurses	69

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOMERSET COMMUNITY HOSPITAL

Medicare Provider Number: 390039

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,153	10.6	9.7	1.0	15.0	14.4	1.1	17.6	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	67	20.9	23.7	7.1	23.9	27.0	7.1	28.4	30.8	6.6
Congestive Heart Failure	46	21.7	15.0	*	28.3	23.8	*	32.6	30.9	*
Pneumonia/Influenza	44	11.4	16.2	*	18.2	21.8	*	20.5	26.3	*
Chronic Obstructive Pulmonary Disease	30	3.3	7.9	*	6.7	13.0	*	13.3	17.8	*
Transient Cerebral Ischemia	22	0.0	1.8	*	0.0	4.0	*	0.0	6.5	*
Stroke	57	26.3	18.8	8.8	33.3	25.5	8.0	33.3	30.0	6.7
Hip Fracture	32	15.6	5.8	*	15.6	10.8	*	18.8	14.1	*
Sepsis	11	27.3	30.3	*	36.4	40.5	*	63.6	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	18.2	3.4	*	18.2	6.6	*	18.2	8.9	*
Open Reduction of Hip Fracture	16	12.5	5.4	*	12.5	10.1	*	18.8	13.3	*
Prostatectomy	23	0.0	1.3	*	4.3	3.0	*	4.3	5.1	*
Cholecystectomy	25	4.0	2.4	*	4.0	4.3	*	4.0	5.6	*
Hysterectomy	5	0.0	0.9	*	0.0	2.0	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,159	10.4	9.2	1.2	15.1	13.7	1.2	17.5	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	63	34.9	26.0	7.3	36.5	30.0	6.9	38.1	33.9	6.5
Congestive Heart Failure	47	17.0	16.8	*	25.5	25.5	*	27.7	32.7	*
Pneumonia/Influenza	51	11.8	18.3	7.8	17.6	24.9	8.7	27.5	30.1	7.1
Chronic Obstructive Pulmonary Disease	26	0.0	10.0	*	3.8	18.0	*	3.8	24.6	*
Transient Cerebral Ischemia	32	6.3	2.6	*	12.5	6.2	*	12.5	10.0	*
Stroke	50	34.0	22.1	*	42.0	29.3	*	42.0	34.1	*
Hip Fracture	25	12.0	6.4	*	20.0	11.8	*	20.0	15.5	*
Sepsis	8	12.5	21.8	*	12.5	27.8	*	25.0	33.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.4	*	0.0	4.8	*	0.0	7.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.3	*	12.5	8.5	*	12.5	11.6	*
Open Reduction of Hip Fracture	13	23.1	6.9	*	30.8	13.2	*	30.8	17.4	*
Prostatectomy	32	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	21	4.8	3.4	*	4.8	6.2	*	9.5	8.0	*
Hysterectomy	4	0.0	0.6	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTH SIDE HOSPITAL

2000 Mary St
Pittsburg, PA 15203

Medicare Provider Number: 390131

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,001	9.3	9.2	0.6	14.6	14.0	0.9	17.5	17.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	77	35.1	21.2	6.3	39.0	24.4	6.8	41.6	27.6	6.7
Congestive Heart Failure	138	15.9	16.6	3.3	23.9	25.1	4.7	29.0	31.9	6.1
Pneumonia/Influenza	88	15.9	18.6	5.1	19.3	24.9	5.6	21.6	29.8	7.1
Chronic Obstructive Pulmonary Disease	57	5.3	6.7	3.5	10.5	12.2	5.4	12.3	17.1	8.5
Transient Cerebral Ischemia	65	1.5	2.2	2.6	4.6	5.1	2.8	9.2	8.1	3.7
Stroke	104	17.3	20.7	4.5	24.0	27.1	5.9	28.8	31.4	5.2
Hip Fracture	52	9.6	8.1	4.5	13.5	14.3	5.0	17.3	18.3	5.4
Sepsis	5	40.0	31.4	*	60.0	37.2	*	60.0	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.5	*	0.0	7.2	*	6.7	10.6	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.3	*	0.0	3.5	*
Hip Replacement/Reconstruction	30	16.7	4.2	*	16.7	7.5	*	23.3	9.8	*
Open Reduction of Hip Fracture	33	6.1	7.8	*	12.1	14.4	*	15.2	18.8	*
Prostatectomy	47	0.0	1.3	*	8.5	3.0	*	8.5	5.0	*
Cholecystectomy	40	2.5	2.6	*	5.0	4.9	*	5.0	6.6	*
Hysterectomy	10	10.0	0.7	*	10.0	1.4	*	10.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 248
Occupancy Rate 65
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 248
Percent of Physicians Board Certified Specialists 76
Medical Residents/Interns 0
Registered Nurses 126
Licensed Practical Nurses 62

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SOUTH SIDE HOSPITAL

Medicare Provider Number: 390131

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,011	9.5	9.7	0.7	14.4	14.5	0.8	18.2	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	49	40.8	28.6	*	46.9	32.5	*	51.0	36.2	*
Congestive Heart Failure	131	13.0	17.7	6.7	20.6	25.8	7.2	31.3	32.6	6.0
Pneumonia/Influenza	88	14.8	18.4	6.8	21.6	24.5	7.3	23.9	29.3	9.2
Chronic Obstructive Pulmonary Disease	44	4.5	7.6	*	13.6	14.1	*	15.9	19.6	*
Transient Cerebral Ischemia	36	0.0	2.0	*	5.6	4.6	*	8.3	7.7	*
Stroke	118	17.8	20.8	4.3	21.2	28.1	5.8	28.8	32.6	4.9
Hip Fracture	53	11.3	9.9	4.2	11.3	16.1	5.8	15.1	20.3	6.6
Sepsis	12	50.0	26.2	*	58.3	33.6	*	58.3	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	0.0	5.2	*	7.1	8.7	*	14.3	12.0	*
Carotid Endarterectomy	3	0.0	2.9	*	0.0	6.6	*	0.0	9.8	*
Hip Replacement/Reconstruction	25	12.0	7.9	*	12.0	13.1	*	16.0	16.3	*
Open Reduction of Hip Fracture	31	9.7	8.6	*	9.7	14.9	*	12.9	19.1	*
Prostatectomy	64	1.6	2.3	2.4	3.1	5.4	4.3	4.7	8.1	5.7
Cholecystectomy	52	3.8	3.9	2.7	7.7	6.0	3.8	7.7	7.3	3.7
Hysterectomy	6	0.0	1.1	*	16.7	1.9	*	16.7	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,925	11.1	9.6	1.2	15.6	14.3	1.3	19.6	18.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	68	32.4	31.4	5.7	38.2	35.1	6.1	39.7	38.7	6.3
Congestive Heart Failure	122	23.0	17.1	6.0	29.5	25.4	5.7	33.6	32.3	4.5
Pneumonia/Influenza	66	18.2	18.4	4.9	24.2	24.2	5.3	27.3	28.9	5.8
Chronic Obstructive Pulmonary Disease	45	8.9	9.6	*	13.3	15.6	*	20.0	20.4	*
Transient Cerebral Ischemia	50	2.0	2.4	*	2.0	5.2	*	6.0	8.0	*
Stroke	105	23.8	19.4	6.0	31.4	26.3	8.7	33.3	30.7	7.9
Hip Fracture	39	15.4	9.8	*	20.5	16.1	*	20.5	20.4	*
Sepsis	9	33.3	26.6	*	44.4	34.0	*	55.6	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	4.0	*	8.7	8.0	*	8.7	11.3	*
Carotid Endarterectomy	4	0.0	1.9	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	23	13.0	4.4	*	13.0	7.4	*	17.4	9.4	*
Open Reduction of Hip Fracture	21	14.3	10.0	*	23.8	17.4	*	23.8	22.2	*
Prostatectomy	40	2.5	1.7	*	2.5	3.9	*	5.0	6.4	*
Cholecystectomy	32	3.1	3.2	*	3.1	4.9	*	3.1	5.8	*
Hysterectomy	6	0.0	6.4	*	0.0	9.4	*	0.0	11.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

371.1

The South Side Hospital
2000 Mary Street
Pittsburgh, PA 15203
412 488-5550

January 7, 1991

George J. Korbakes
President

Mrs. Sandra Kappert
Health Standards and Quality Bureau
HEALTH CARE FINANCING ADMINISTRATION
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

This is in response to the Medicare Hospital Mortality information published by HCFA. The data was reviewed by Rocco Vernino, M.D., Vice President/Medical Director, and Nancy Hudson, Quality Assessment Coordinator, and presented to the Medical Staff. After review of the data, we focused on the conditions and procedures where the observed rate exceeded the predicted rate of mortality. The Medical Records reviewed included discharges from 1988 through 1990. Our comments from the review follow:

Acute Myocardial Infarction
The average age of these patients was 77. Most of the patient families requested no extraordinary measures because of the patient's grave condition and age. In all cases, the patients had multiple co-morbidities and extensive cardiac histories. Several cases were transferred to other facilities for invasive procedures unavailable at our Hospital. Death with these patients did not occur at The South Side Hospital. In one particular case, a 91 year old patient died of a ruptured abdominal aortic aneurysm, unrelated to the MI.

Hip Fracture
The average age of these patients was 85. In all cases, cause of death was due to multiple co-morbidities unrelated to the hip fracture or treatment of the fracture.

"We care for you . . .
for life."

Sepsis
There was one case; the patient's age was 84. The diagnosis of sepsis was made on a previous admission, which was successfully treated. The patient was readmitted for pneumonia with respiratory failure, which subsequently caused death. There was no evidence of sepsis during this admission and no evidence of pneumonia on the previous admission.

Hip Replacement/Reconstruction
The average age of these patients was 81. All patients successfully underwent hip surgery and satisfactorily completed a rehabilitation program. In most cases, death occurred over nine months later of conditions unrelated to the hip surgery.

Hysterectomy
There was one patient, age 64. The cause of death was a pulmonary emboli. The patient was medically stable preoperatively. There were no predisposing factors that would indicate the patient was at risk for this life threatening complication. The preoperative work-up included coagulation studies which were found to be normal.

We appreciate the opportunity to review our statistics in more detail and learn from this review.

If your have any questions concerning the above, please contact Dr. Rocco Vernino, Mrs. Marcie Caplan, or me at 412-488-5600.

Sincerely,

George J. Korbakes
President

md

cc: Rocco A. Vernino, M.D.
Marcie S. Caplan

SOUTHERN CHESTER COUNTY MEDICAL CENTER

1015 W Baltimore Pk
West Grove, PA 19390

Medicare Provider Number: 390220

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	846	8.2	9.9	1.8	13.2	14.7	1.8	17.4	18.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	29	27.6	27.8	*	27.6	30.9	*	31.0	34.0	*
Congestive Heart Failure	66	16.7	16.0	4.5	28.8	25.2	7.2	34.8	32.8	8.3
Pneumonia/Influenza	60	13.3	16.0	6.3	21.7	21.8	6.5	25.0	26.5	6.8
Chronic Obstructive Pulmonary Disease	20	0.0	8.1	*	5.0	14.3	*	10.0	19.3	*
Transient Cerebral Ischemia	27	0.0	2.0	*	3.7	4.4	*	7.4	7.0	*
Stroke	26	7.7	22.2	*	15.4	28.3	*	30.8	32.8	*
Hip Fracture	21	9.5	6.3	*	14.3	11.9	*	14.3	16.0	*
Sepsis	5	40.0	24.2	*	40.0	33.4	*	40.0	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	12.4	*	16.7	17.8	*	33.3	21.4	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	10	10.0	2.4	*	10.0	5.1	*	10.0	7.4	*
Open Reduction of Hip Fracture	11	0.0	6.5	*	9.1	12.5	*	9.1	16.6	*
Prostatectomy	20	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	20	5.0	2.4	*	10.0	3.9	*	15.0	4.8	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 66
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 63
Percent of Physicians Board Certified Specialists 71
Medical Residents/Interns 0
Registered Nurses 71
Licensed Practical Nurses 33

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SOUTHERN CHESTER COUNTY MEDICAL CENTER

Medicare Provider Number: 390220

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	810	8.4	9.9	1.3	14.6	15.0	1.3	19.4	19.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	23	34.8	29.2	*	43.5	32.9	*	47.8	36.6	*
Congestive Heart Failure	57	19.3	15.8	5.2	29.8	24.6	7.9	43.9	31.7	10.1
Pneumonia/Influenza	76	13.2	17.1	6.1	23.7	23.6	5.2	26.3	28.6	5.7
Chronic Obstructive Pulmonary Disease	13	7.7	9.1	*	15.4	16.3	*	23.1	22.4	*
Transient Cerebral Ischemia	23	0.0	1.9	*	0.0	4.2	*	4.3	6.7	*
Stroke	27	11.1	17.6	*	18.5	24.1	*	18.5	28.6	*
Hip Fracture	27	3.7	5.3	*	7.4	10.1	*	7.4	13.3	*
Sepsis	9	22.2	21.0	*	22.2	30.1	*	33.3	36.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	10.1	*	0.0	13.5	*	0.0	16.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	2.1	*	5.9	4.2	*	5.9	5.6	*
Open Reduction of Hip Fracture	18	0.0	4.8	*	5.6	9.6	*	5.6	13.0	*
Prostatectomy	25	0.0	0.8	*	4.0	2.0	*	8.0	3.4	*
Cholecystectomy	15	0.0	2.8	*	0.0	5.6	*	0.0	7.7	*
Hysterectomy	2	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	825	10.4	9.7	1.7	16.4	15.0	2.4	21.0	19.1	2.8
CONDITIONS:										
Acute Myocardial Infarction	22	63.6	33.4	*	63.6	36.6	*	68.2	39.8	*
Congestive Heart Failure	61	19.7	15.7	6.5	31.1	24.4	7.5	37.7	31.6	9.0
Pneumonia/Influenza	58	6.9	15.5	6.0	10.3	21.4	7.3	20.7	26.1	6.2
Chronic Obstructive Pulmonary Disease	21	9.5	12.2	*	19.0	19.9	*	28.6	25.3	*
Transient Cerebral Ischemia	17	5.9	2.2	*	5.9	4.8	*	11.8	7.8	*
Stroke	26	34.6	22.4	*	38.5	30.9	*	42.3	36.4	*
Hip Fracture	21	9.5	5.1	*	9.5	10.1	*	9.5	13.7	*
Sepsis	8	12.5	14.8	*	12.5	21.1	*	12.5	26.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.3	*	0.0	4.6	*	0.0	6.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	2.5	*	0.0	5.0	*	0.0	6.9	*
Open Reduction of Hip Fracture	13	7.7	4.4	*	7.7	9.2	*	7.7	13.0	*
Prostatectomy	19	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	18	0.0	3.9	*	5.6	7.5	*	11.1	9.9	*
Hysterectomy	4	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SPRINGFIELD HOSPITAL

190 Sproul Rd
Springfield, PA 19064

Medicare Provider Number: 390155

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	767	9.6	10.7	2.1	15.0	16.2	2.1	19.6	20.2	2.1
CONDITIONS:										
Acute Myocardial Infarction	37	24.3	33.0	*	27.0	36.5	*	35.1	40.1	*
Congestive Heart Failure	42	7.1	15.5	*	16.7	24.1	*	33.3	31.1	*
Pneumonia/Influenza	49	26.5	17.7	*	28.6	24.2	*	28.6	28.9	*
Chronic Obstructive Pulmonary Disease	16	12.5	8.1	*	12.5	13.8	*	12.5	18.6	*
Transient Cerebral Ischemia	25	4.0	1.9	*	4.0	4.1	*	12.0	6.5	*
Stroke	34	8.8	18.3	*	8.8	25.6	*	11.8	30.1	*
Hip Fracture	10	10.0	7.7	*	40.0	13.7	*	50.0	17.7	*
Sepsis	2	0.0	25.2	*	50.0	37.1	*	50.0	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.2	*	7.1	6.6	*	7.1	9.9	*
Carotid Endarterectomy	1	0.0	2.2	*	0.0	5.0	*	0.0	7.2	*
Hip Replacement/Reconstruction	12	8.3	5.4	*	33.3	9.9	*	33.3	13.0	*
Open Reduction of Hip Fracture	6	0.0	6.5	*	16.7	11.8	*	33.3	15.2	*
Prostatectomy	21	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	11	9.1	5.2	*	9.1	9.7	*	9.1	12.9	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	92
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	211
Percent of Physicians Board Certified Specialists	45
Medical Residents/Interns	21
Registered Nurses	88
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SPRINGFIELD HOSPITAL

Medicare Provider Number: 390155

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	859	11.6	10.7	2.0	17.5	16.0	2.4	21.4	20.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	34	41.2	30.8	*	41.2	34.7	*	41.2	38.4	*
Congestive Heart Failure	43	20.9	18.2	*	27.9	27.7	*	30.2	35.1	*
Pneumonia/Influenza	65	9.2	14.6	5.2	16.9	19.9	5.7	24.6	23.9	5.4
Chronic Obstructive Pulmonary Disease	14	7.1	12.2	*	7.1	18.5	*	28.6	23.2	*
Transient Cerebral Ischemia	33	0.0	2.1	*	0.0	4.5	*	3.0	7.0	*
Stroke	45	24.4	21.4	*	40.0	29.0	*	42.2	33.9	*
Hip Fracture	19	0.0	7.9	*	5.3	14.1	*	10.5	17.8	*
Sepsis	7	57.1	42.8	*	71.4	50.8	*	71.4	57.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.0	*	0.0	9.4	*	0.0	15.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.3	*	0.0	10.1	*	0.0	13.4	*
Open Reduction of Hip Fracture	13	0.0	6.9	*	7.7	12.7	*	15.4	16.4	*
Prostatectomy	25	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	9	11.1	4.4	*	22.2	6.5	*	22.2	7.6	*
Hysterectomy	3	0.0	2.3	*	0.0	4.5	*	0.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	869	9.4	11.2	1.5	15.5	16.7	1.5	20.1	20.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	35.9	*	35.9	39.2	*	38.5	42.8	*
Congestive Heart Failure	41	14.6	19.8	*	29.3	29.7	*	39.0	37.3	*
Pneumonia/Influenza	34	11.8	15.3	*	14.7	20.9	*	23.5	25.1	*
Chronic Obstructive Pulmonary Disease	17	11.8	12.7	*	11.8	20.6	*	11.8	26.9	*
Transient Cerebral Ischemia	14	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	39	10.3	20.9	*	17.9	27.7	*	28.2	32.0	*
Hip Fracture	14	7.1	7.4	*	7.1	12.4	*	7.1	15.6	*
Sepsis	5	40.0	46.0	*	40.0	52.0	*	40.0	58.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	5.9	*	18.2	12.2	*	18.2	17.3	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	9	11.1	3.2	*	11.1	5.5	*	11.1	6.9	*
Open Reduction of Hip Fracture	8	0.0	6.1	*	0.0	10.6	*	0.0	13.3	*
Prostatectomy	18	0.0	1.7	*	11.1	3.4	*	11.1	5.4	*
Cholecystectomy	13	7.7	6.4	*	7.7	11.5	*	7.7	14.7	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST AGNES MEDICAL CENTER

1900 S Broad St
Philadelphia, PA 19145

Medicare Provider Number: 390022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,630	8.6	9.8	0.9	14.8	15.2	1.0	18.7	19.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	50	16.0	23.4	*	22.0	26.7	*	24.0	30.0	*
Congestive Heart Failure	178	11.8	14.8	4.6	17.4	23.0	5.1	23.0	29.9	5.9
Pneumonia/Influenza	70	8.6	13.1	6.3	11.4	18.0	8.7	14.3	21.9	9.4
Chronic Obstructive Pulmonary Disease	31	6.5	7.8	*	12.9	13.6	*	19.4	18.6	*
Transient Cerebral Ischemia	39	0.0	1.6	*	2.6	3.7	*	10.3	6.1	*
Stroke	75	28.0	21.1	5.7	41.3	28.0	7.5	44.0	32.4	7.0
Hip Fracture	37	2.7	7.0	*	10.8	12.6	*	10.8	16.4	*
Sepsis	22	45.5	31.9	*	63.6	44.4	*	68.2	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.7	*	9.1	7.2	*	9.1	10.3	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.1	*	25.0	4.6	*
Hip Replacement/Reconstruction	7	14.3	6.3	*	14.3	11.2	*	14.3	14.5	*
Open Reduction of Hip Fracture	28	0.0	6.1	*	10.7	11.7	*	10.7	15.6	*
Prostatectomy	43	0.0	1.3	*	2.3	2.9	*	7.0	4.7	*
Cholecystectomy	19	0.0	2.2	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 230
Occupancy Rate 71
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 216
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 0
Registered Nurses 150
Licensed Practical Nurses 27

SPECIALTY SERVICES:

Burn Unit ..... Yes
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST AGNES MEDICAL CENTER

Medicare Provider Number: 390022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,820	7.6	9.6	1.0	12.9	15.0	1.1	17.3	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	54	29.6	28.2	6.2	37.0	31.4	8.0	38.9	34.9	7.4
Congestive Heart Failure	151	9.3	16.4	3.9	17.9	25.5	4.7	21.2	32.8	5.5
Pneumonia/Influenza	50	8.0	15.5	*	16.0	21.0	*	24.0	25.2	*
Chronic Obstructive Pulmonary Disease	45	2.2	9.4	*	8.9	15.8	*	13.3	21.2	*
Transient Cerebral Ischemia	58	1.7	1.4	1.6	1.7	3.2	2.8	5.2	5.4	3.0
Stroke	88	13.6	19.3	6.8	25.0	26.2	7.7	29.5	30.9	5.0
Hip Fracture	29	13.8	6.7	*	17.2	12.2	*	24.1	15.7	*
Sepsis	25	16.0	26.3	*	36.0	36.7	*	52.0	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.8	*	20.0	7.5	*	20.0	10.9	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.5	*	0.0	3.5	*
Hip Replacement/Reconstruction	8	0.0	2.9	*	0.0	6.5	*	0.0	10.0	*
Open Reduction of Hip Fracture	21	14.3	6.3	*	19.0	12.1	*	28.6	15.9	*
Prostatectomy	31	3.2	1.2	*	3.2	2.9	*	6.5	4.7	*
Cholecystectomy	18	0.0	1.9	*	0.0	3.3	*	0.0	4.2	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,696	8.1	10.9	1.0	14.7	16.5	1.1	18.8	20.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	49	28.6	30.4	*	32.7	33.9	*	34.7	37.4	*
Congestive Heart Failure	129	11.6	19.0	6.2	23.3	28.8	7.2	29.5	36.4	7.0
Pneumonia/Influenza	38	10.5	14.2	*	13.2	19.2	*	18.4	23.2	*
Chronic Obstructive Pulmonary Disease	40	5.0	11.1	*	12.5	18.2	*	17.5	23.5	*
Transient Cerebral Ischemia	53	0.0	1.6	2.6	1.9	3.4	4.3	5.7	5.3	5.4
Stroke	78	16.7	23.7	6.4	23.1	31.0	6.6	34.6	35.8	5.5
Hip Fracture	36	5.6	7.2	*	8.3	13.0	*	11.1	16.7	*
Sepsis	28	35.7	30.6	*	57.1	40.9	*	64.3	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	8.2	*	7.7	15.0	*	7.7	20.7	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	5	20.0	9.3	*	20.0	16.1	*	20.0	19.6	*
Open Reduction of Hip Fracture	28	3.6	6.1	*	7.1	11.7	*	10.7	15.4	*
Prostatectomy	43	0.0	1.6	*	4.7	3.9	*	4.7	6.4	*
Cholecystectomy	28	3.6	4.7	*	7.1	7.9	*	7.1	10.0	*
Hysterectomy	3	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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SAINT AGNES MEDICAL CENTER
1900 SOUTH BROAD STREET, PHILADELPHIA, PENNSYLVANIA 19145 215/339-4100

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

Upon review of the Health Care Financing Administration, Medicare Hospital Mortality Information, the following data was noted to be incorrect:

Staffing (as of September 30, 1989)

Medical Residents/Interns	0

The corrected value should be

Medical Residents/Interns	30

Thank you for your cooperation in this matter.

Sincerely yours,

Sister M. Clarence, O.S.F.

Sister M. Clarence, O.S.F.
Chief Executive Officer

SMC/jrd

ST CLAIR MEMORIAL HOSPITAL

1000 Bower Hill Rd
Pittsburgh, PA 15243

Medicare Provider Number: 390228

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,691	9.7	10.3	0.9	15.4	15.6	1.1	19.5	19.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	173	23.7	27.4	4.7	28.3	30.8	5.1	30.6	34.2	4.2
Congestive Heart Failure	212	12.7	16.6	3.4	25.0	25.4	3.2	31.6	32.5	3.3
Pneumonia/Influenza	160	19.4	19.9	3.5	27.5	26.7	4.7	33.1	31.9	5.5
Chronic Obstructive Pulmonary Disease	75	9.3	8.7	3.4	13.3	15.1	4.4	21.3	20.6	4.7
Transient Cerebral Ischemia	78	1.3	2.1	1.8	1.3	4.6	3.6	5.1	7.3	4.6
Stroke	141	17.7	22.5	5.2	21.3	29.9	5.7	23.4	34.6	6.2
Hip Fracture	110	8.2	7.0	2.6	15.5	12.5	4.1	17.3	16.1	3.9
Sepsis	43	32.6	29.3	*	39.5	35.4	*	44.2	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	35	8.6	3.5	*	8.6	6.9	*	11.4	10.1	*
Carotid Endarterectomy	17	11.8	1.3	*	11.8	2.4	*	11.8	3.5	*
Hip Replacement/Reconstruction	68	1.5	3.4	3.2	4.4	6.4	4.5	4.4	8.5	5.1
Open Reduction of Hip Fracture	59	10.2	7.0	5.2	18.6	12.9	7.7	22.0	16.7	9.3
Prostatectomy	159	3.8	1.2	1.7	6.3	2.9	2.5	7.5	4.8	2.7
Cholecystectomy	75	6.7	3.0	4.0	8.0	5.1	6.2	10.7	6.5	7.0
Hysterectomy	29	3.4	1.7	*	3.4	3.2	*	3.4	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	337
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	340
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	290
Licensed Practical Nurses	46

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST CLAIR MEMORIAL HOSPITAL

Medicare Provider Number: 390228

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,831	10.7	10.6	0.6	15.7	15.9	0.6	19.1	19.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	154	28.6	28.1	3.6	29.9	31.4	3.8	31.8	34.9	4.5
Congestive Heart Failure	217	18.4	18.1	2.8	30.0	27.4	4.3	35.5	34.7	4.1
Pneumonia/Influenza	169	20.7	19.7	3.4	30.2	26.6	4.4	33.1	31.8	3.8
Chronic Obstructive Pulmonary Disease	92	10.9	9.5	3.3	21.7	16.5	5.7	27.2	22.4	7.2
Transient Cerebral Ischemia	53	1.9	2.2	3.5	5.7	4.8	3.9	9.4	7.6	4.3
Stroke	177	22.6	23.1	3.5	29.4	30.7	3.6	33.9	35.6	4.1
Hip Fracture	135	7.4	7.2	2.5	11.9	12.9	3.2	17.8	16.6	3.6
Sepsis	48	25.0	29.7	*	35.4	37.7	*	37.5	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	43	4.7	4.0	*	9.3	7.7	*	16.3	10.9	*
Carotid Endarterectomy	17	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	84	4.8	4.6	2.5	6.0	8.7	4.0	11.9	11.4	3.5
Open Reduction of Hip Fracture	65	7.7	6.6	3.2	13.8	12.3	5.4	20.0	15.9	7.9
Prostatectomy	127	2.4	1.3	1.6	3.1	3.2	1.6	5.5	5.3	2.0
Cholecystectomy	87	2.3	3.2	2.6	3.4	5.6	3.2	3.4	7.2	3.5
Hysterectomy	39	2.6	1.5	*	2.6	2.7	*	2.6	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,795	9.7	10.3	0.6	15.0	15.5	0.7	19.1	19.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	125	33.6	30.6	4.4	39.2	33.8	5.0	40.0	37.3	4.5
Congestive Heart Failure	229	14.0	19.1	3.4	27.1	28.3	4.0	36.7	35.5	3.2
Pneumonia/Influenza	143	13.3	18.5	6.8	21.0	25.0	6.9	25.9	30.1	5.6
Chronic Obstructive Pulmonary Disease	100	15.0	12.0	5.8	23.0	19.2	5.9	30.0	24.6	6.6
Transient Cerebral Ischemia	89	2.2	2.5	2.9	5.6	5.6	4.1	11.2	8.8	5.3
Stroke	153	19.0	21.3	3.8	26.1	28.6	4.0	29.4	33.2	4.5
Hip Fracture	121	9.1	8.0	2.9	13.2	14.2	3.3	16.5	18.2	4.3
Sepsis	25	32.0	34.4	*	36.0	42.9	*	36.0	49.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	3.3	3.6	*	13.3	7.2	*	13.3	10.6	*
Carotid Endarterectomy	11	0.0	1.2	*	0.0	2.2	*	9.1	3.1	*
Hip Replacement/Reconstruction	57	5.3	5.5	3.0	7.0	10.0	5.1	8.8	13.0	6.2
Open Reduction of Hip Fracture	72	9.7	7.2	4.5	15.3	13.5	5.1	19.4	17.6	5.0
Prostatectomy	114	0.0	1.5	1.7	0.9	3.5	2.7	2.6	5.8	3.2
Cholecystectomy	98	6.1	4.0	3.1	12.2	6.9	4.6	14.3	8.8	4.8
Hysterectomy	31	3.2	1.2	*	3.2	2.3	*	3.2	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider # 390228

St. Clair Hospital
1000 Bower Hill Road Pittsburgh, Pennsylvania 15243 412-561-4900

TO: Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau

FROM: Beverly Begovich, BSN, CQAP B.B.
Director of Quality Utilization Management Department

DATE: January 11, 1991

RE: St. Clair Memorial Hospital's Comments to the Medicare Hospital Mortality Information

Attached is St. Clair Memorial Hospital's Comments to be published along with the Hospital Mortality Information. This is the hard copy version of the copy that was faxed to you on January 11, 1991.

Should you have any questions regarding the submitted information, feel free to contact me at 412-561-4900, extension 1675.

cc: Benjamin Snead, President
Clara Jean Ersoz, M.D., Vice President, Medical Affairs



St. Clair Hospital
1000 Bower Hill Road Pittsburgh, Pennsylvania 15243 412-561-4900

In reviewing the 1989 Medicare Hospital Mortality Rates, it was discovered that the total number of cases for the procedures listed were incorrect for the Medicare population that our Hospital served during this reported timeframe. The number of mortalities was correct. This discovery was made by comparing our internal MedisGroups data against the submitted HCFA Report. 20% - 30% of the procedures were not accounted for in the total number of cases. There was an average of 21 cases missing per procedure. This skews the predicted rate. Also there were only four of the nine procedure sets with enough numbers to allow for statistical analysis.

Of the Conditions reported, St. Clair did not exceed 1.5 standard deviation. Each internal mortality is thoroughly reviewed and analyzed for quality problems as a special cause ongoing by the Hospital's Quality Assurance Department. The Mortality data reported this year by HCFA in intervals of 30, 90, and 180 days post-hospital discharge is a very poor indicator of quality and an added waste of the taxpayer's money. There is no clarification of cause of death, age of patient, disposition of patient, co-morbidity and past history of chronic or other acute conditions nor adjustments of those patients that wish no further life support due to a terminal illness. To publish mortality rates according to procedure alone is very misleading. People die of causes totally unrelated to the procedure listed. For the Open Reduction of Hip Fractures, the average age of the patients that died was 87 with a range of 71 to 95. Seven of the total number of cases were 91 years of age or older. Of the six deaths that occurred within 30 days post-hospital, only three deaths occurred during hospitalization.

ST FRANCIS HOSPITAL OF NEW CASTLE

S Mercer Ar Phillips Street
New Castle, PA 16101

Medicare Provider Number: 390017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,131	6.7	8.3	1.2	10.1	12.7	1.6	13.7	16.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	50	28.0	33.3	*	34.0	36.9	*	40.0	41.0	*
Congestive Heart Failure	65	16.9	15.3	4.7	24.6	23.8	5.5	35.4	30.8	6.7
Pneumonia/Influenza	39	5.1	15.3	*	12.8	21.4	*	15.4	26.4	*
Chronic Obstructive Pulmonary Disease	27	7.4	9.3	*	14.8	16.1	*	14.8	21.8	*
Transient Cerebral Ischemia	39	0.0	1.8	*	2.6	4.1	*	7.7	6.5	*
Stroke	38	31.6	19.1	*	44.7	25.2	*	47.4	29.8	*
Hip Fracture	18	0.0	7.0	*	16.7	13.6	*	22.2	18.5	*
Sepsis	13	23.1	28.4	*	38.5	37.4	*	38.5	44.0	*
PROCEDURES:										
Angioplasty	1	0.0	4.1	*	0.0	6.2	*	0.0	8.0	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.3	*	0.0	3.6	*
Hip Replacement/Reconstruction	8	0.0	4.1	*	12.5	8.1	*	12.5	11.1	*
Open Reduction of Hip Fracture	14	0.0	6.2	*	14.3	12.5	*	21.4	17.5	*
Prostatectomy	17	0.0	1.2	*	0.0	2.8	*	0.0	4.8	*
Cholecystectomy	14	0.0	3.8	*	0.0	7.0	*	0.0	9.5	*
Hysterectomy	4	0.0	2.5	*	0.0	5.6	*	0.0	8.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 184
Occupancy Rate 81
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 30
Percent of Physicians Board Certified Specialists 100
Medical Residents/Interns 0
Registered Nurses 116
Licensed Practical Nurses 8

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS HOSPITAL OF NEW CASTLE

Medicare Provider Number: 390017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,170	6.2	7.8	1.1	9.9	11.8	1.4	12.9	15.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	49	16.3	23.9	*	16.3	27.0	*	20.4	30.5	*
Congestive Heart Failure	70	14.3	14.7	4.4	21.4	22.8	5.2	31.4	29.5	6.3
Pneumonia/Influenza	59	16.9	17.3	5.0	23.7	23.9	6.2	27.1	28.9	6.5
Chronic Obstructive Pulmonary Disease	31	9.7	7.6	*	12.9	13.0	*	19.4	17.5	*
Transient Cerebral Ischemia	30	0.0	1.5	*	3.3	3.4	*	3.3	5.5	*
Stroke	41	12.2	21.2	*	17.1	28.1	*	17.1	32.9	*
Hip Fracture	17	0.0	5.3	*	0.0	9.8	*	0.0	12.9	*
Sepsis	6	16.7	40.0	*	16.7	50.1	*	16.7	56.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.8	*	25.0	4.1	*
Hip Replacement/Reconstruction	9	0.0	3.7	*	0.0	7.1	*	0.0	9.5	*
Open Reduction of Hip Fracture	9	0.0	4.9	*	0.0	9.5	*	0.0	12.6	*
Prostatectomy	30	0.0	1.1	*	0.0	2.6	*	3.3	4.3	*
Cholecystectomy	18	0.0	1.8	*	5.6	3.2	*	11.1	4.1	*
Hysterectomy	5	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,136	10.5	8.9	1.7	15.1	13.2	2.1	18.4	16.7	2.2
CONDITIONS:										
Acute Myocardial Infarction	53	22.6	26.7	6.6	34.0	30.1	6.7	37.7	33.7	6.9
Congestive Heart Failure	55	12.7	13.7	4.8	23.6	21.1	6.7	25.5	27.6	6.3
Pneumonia/Influenza	53	28.3	16.9	7.2	35.8	23.2	7.8	43.4	28.3	8.8
Chronic Obstructive Pulmonary Disease	33	3.0	8.0	*	3.0	14.2	*	6.1	19.2	*
Transient Cerebral Ischemia	30	3.3	2.6	*	6.7	5.7	*	13.3	9.2	*
Stroke	35	20.0	21.5	*	31.4	28.4	*	34.3	33.2	*
Hip Fracture	8	0.0	5.9	*	25.0	11.5	*	25.0	15.5	*
Sepsis	4	25.0	45.8	*	25.0	53.4	*	50.0	61.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	9.0	*	50.0	13.8	*	50.0	18.9	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	7	0.0	2.4	*	14.3	4.9	*	14.3	7.0	*
Open Reduction of Hip Fracture	5	0.0	5.5	*	20.0	11.0	*	20.0	14.9	*
Prostatectomy	19	0.0	1.2	*	0.0	3.2	*	0.0	5.6	*
Cholecystectomy	21	4.8	3.3	*	4.8	5.5	*	14.3	6.9	*
Hysterectomy	14	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

381.1



ST. FRANCIS HOSPITAL
OF NEW CASTLE
1000 So. Mercer St.
New Castle, PA 16101-4673
Phone 412-658-3511

January 15, 1991

Medicare Provider No. 390017

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert;

We are in receipt of HCFA's mortality information for this hospital for fiscal year 1989.

According to the methodology used to predict mortality rates for those patients with similar characteristics to those in this hospital's samples, the precision and interpretability of estimates of mortality are questionable when there are either no deaths or 50 or fewer cases in a particular disease or procedure category. In only one disease category in this hospital, that of Congestive Heart Failure, were there sufficient numbers of cases (65) upon which to determine whether the difference between the actual (observed) mortality rate and the predicted mortality rate was significant.

With the various calculations, formulas and tables provided by HCFA to determine whether significance exists, and in applying the methodology, it has been determined that for hospitals with patients having characteristics similar to those of this hospital in the category of Congestive Heart Failure, the expected mortality rate would be between 15.3% and 27.5%, 99% of the time. St. Francis Hospital of New Castle's actual mortality rate of 16.9% lies within that range for the time period of 30 days postadmission. The actual mortality rates 90 days and 180 days postadmission lie between the expected ranges of 23.8% - 38% (SFH: 24.6%) and 30.8% - 48% (SFH: 35.4%) respectively. Therefore, the differences between the actual and predicted mortality rates, according to HFCA's formulas, are not significant.

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
Page 2

Medicare Provider No. 390017

Lastly, 61% of the deaths in the category of Congestive Heart Failure occurred outside of the hospital, and the hospital did not pursue information as to the actual causes of death in those cases.

Sincerely,

Sister Donna Zwigart
President and CEO

SDZ/mgm

ST FRANCIS MEDICAL CENTER

45th St Off Penn Ave
Pittsburgh, PA 15201

Medicare Provider Number: 390029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,051	8.0	8.0	0.7	12.4	12.2	0.6	15.9	15.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	88	28.4	23.7	6.7	36.4	27.6	8.5	39.8	31.0	8.6
Congestive Heart Failure	138	13.0	14.6	4.5	22.5	22.6	4.6	31.2	29.1	4.9
Pneumonia/Influenza	83	9.6	14.6	5.3	13.3	20.0	7.0	16.9	24.3	7.4
Chronic Obstructive Pulmonary Disease	67	4.5	9.0	4.3	11.9	15.1	5.6	13.4	20.2	7.0
Transient Cerebral Ischemia	31	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	79	17.7	19.0	4.6	24.1	25.8	5.2	29.1	30.2	5.7
Hip Fracture	40	10.0	6.9	*	12.5	12.3	*	15.0	15.8	*
Sepsis	40	22.5	23.5	*	35.0	31.3	*	37.5	36.6	*
PROCEDURES:										
Angioplasty	49	4.1	3.2	*	4.1	3.9	*	6.1	4.8	*
Coronary Artery Bypass Graft	131	9.2	5.5	3.7	10.7	7.9	3.3	11.5	9.3	3.3
Initial Pacemaker Insertion	25	4.0	3.6	*	12.0	6.7	*	20.0	9.5	*
Carotid Endarterectomy	11	9.1	1.1	*	9.1	2.1	*	9.1	3.1	*
Hip Replacement/Reconstruction	36	2.8	2.2	*	5.6	4.0	*	5.6	5.4	*
Open Reduction of Hip Fracture	24	12.5	7.0	*	16.7	13.0	*	20.8	17.0	*
Prostatectomy	41	2.4	1.9	*	4.9	4.6	*	4.9	7.5	*
Cholecystectomy	55	1.8	2.3	2.3	3.6	4.3	2.8	3.6	5.7	3.6
Hysterectomy	20	0.0	0.9	*	5.0	2.0	*	10.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 828
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 333
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 80
Registered Nurses 735
Licensed Practical Nurses 126

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS MEDICAL CENTER

Medicare Provider Number: 390029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,108	7.2	8.0	0.8	11.9	12.3	0.8	15.4	15.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	97	24.7	27.1	4.9	32.0	30.7	4.8	35.1	34.3	5.4
Congestive Heart Failure	135	14.1	16.4	5.2	18.5	25.0	6.1	24.4	31.9	7.0
Pneumonia/Influenza	77	13.0	15.5	4.7	23.4	21.4	5.4	27.3	26.0	5.2
Chronic Obstructive Pulmonary Disease	61	9.8	10.7	4.6	16.4	17.5	5.0	27.9	23.0	6.6
Transient Cerebral Ischemia	38	5.3	1.7	*	7.9	3.6	*	7.9	5.5	*
Stroke	84	11.9	16.5	7.2	16.7	23.2	9.0	20.2	27.7	9.6
Hip Fracture	53	7.5	5.5	3.8	7.5	10.1	4.6	9.4	13.2	5.7
Sepsis	39	23.1	25.4	*	25.6	33.5	*	33.3	40.1	*
PROCEDURES:										
Angioplasty	31	0.0	2.5	*	0.0	3.4	*	0.0	4.4	*
Coronary Artery Bypass Graft	120	10.0	5.8	3.1	15.0	8.5	4.4	16.7	10.0	5.1
Initial Pacemaker Insertion	22	4.5	5.9	*	9.1	9.4	*	9.1	12.2	*
Carotid Endarterectomy	19	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	42	4.8	2.7	*	4.8	5.4	*	4.8	7.4	*
Open Reduction of Hip Fracture	31	6.5	4.7	*	6.5	9.1	*	9.7	12.0	*
Prostatectomy	39	5.1	1.8	*	10.3	4.3	*	10.3	6.9	*
Cholecystectomy	57	0.0	2.5	*	1.8	3.9	*	1.8	4.7	*
Hysterectomy	20	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,981	9.0	8.4	0.8	14.1	13.0	1.2	17.2	16.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	73	35.6	27.5	7.8	41.1	30.5	8.3	42.5	33.7	7.4
Congestive Heart Failure	159	21.4	17.1	6.0	29.6	26.5	5.2	36.5	34.0	5.0
Pneumonia/Influenza	92	20.7	17.5	5.5	28.3	23.8	4.9	37.0	28.8	6.7
Chronic Obstructive Pulmonary Disease	57	3.5	9.5	6.1	8.8	15.6	8.4	10.5	20.4	8.9
Transient Cerebral Ischemia	36	2.8	1.8	*	5.6	3.9	*	8.3	6.1	*
Stroke	80	20.0	18.9	4.8	27.5	26.1	5.1	30.0	30.6	5.5
Hip Fracture	43	7.0	5.3	*	14.0	9.7	*	14.0	12.7	*
Sepsis	40	22.5	26.2	*	30.0	34.2	*	35.0	40.3	*
PROCEDURES:										
Angioplasty	9	0.0	1.5	*	0.0	2.2	*	0.0	3.1	*
Coronary Artery Bypass Graft	79	12.7	6.7	4.9	15.2	9.7	5.1	15.2	11.4	5.2
Initial Pacemaker Insertion	28	3.6	3.3	*	10.7	6.9	*	10.7	10.2	*
Carotid Endarterectomy	14	0.0	1.7	*	0.0	3.5	*	7.1	5.3	*
Hip Replacement/Reconstruction	31	6.5	3.4	*	6.5	6.0	*	6.5	8.1	*
Open Reduction of Hip Fracture	19	5.3	5.3	*	15.8	10.1	*	15.8	13.4	*
Prostatectomy	40	0.0	1.2	*	0.0	3.0	*	2.5	5.2	*
Cholecystectomy	29	3.4	2.8	*	3.4	4.9	*	6.9	6.3	*
Hysterectomy	25	0.0	0.6	*	4.0	1.2	*	4.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOHNS HEALTH & HOSPITAL CENTER

3339 McClure Ave
Pittsburgh, PA 15212

Medicare Provider Number: 390034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	267	8.6	7.8	2.9	15.0	12.2	3.7	18.7	15.7	4.5
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	22.8	*	28.6	28.3	*	28.6	32.2	*
Congestive Heart Failure	7	14.3	15.3	*	14.3	26.5	*	14.3	34.9	*
Pneumonia/Influenza	17	11.8	12.4	*	17.6	17.0	*	29.4	20.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	3.3	*	0.0	6.2	*	0.0	9.1	*
Transient Cerebral Ischemia	4	25.0	1.5	*	25.0	3.3	*	25.0	5.3	*
Stroke	8	0.0	13.9	*	12.5	19.4	*	12.5	23.5	*
Hip Fracture	2	0.0	5.5	*	50.0	10.8	*	50.0	14.9	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.7	*	100.0	7.5	*	100.0	10.3	*
Prostatectomy	6	0.0	1.3	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	8	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 253
Occupancy Rate 72
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JOHNS HEALTH & HOSPITAL CENTER

Medicare Provider Number: 390034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	401	8.0	7.9	1.6	13.5	12.1	1.9	17.5	15.4	2.2
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	34.2	*	60.0	36.7	*	60.0	39.6	*
Congestive Heart Failure	22	9.1	12.8	*	13.6	20.0	*	18.2	26.4	*
Pneumonia/Influenza	13	15.4	16.0	*	30.8	21.6	*	30.8	26.1	*
Chronic Obstructive Pulmonary Disease	10	0.0	11.1	*	10.0	18.8	*	20.0	24.2	*
Transient Cerebral Ischemia	2	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
Stroke	15	33.3	20.1	*	53.3	26.9	*	53.3	31.3	*
Hip Fracture	6	16.7	5.9	*	50.0	10.6	*	50.0	13.8	*
Sepsis	4	75.0	45.6	*	75.0	51.8	*	75.0	59.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	1.1	*	100.0	2.4	*	100.0	3.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	4.7	*	50.0	9.6	*	50.0	13.1	*
Open Reduction of Hip Fracture	2	0.0	4.8	*	50.0	8.7	*	50.0	11.1	*
Prostatectomy	4	0.0	0.7	*	25.0	1.7	*	25.0	3.0	*
Cholecystectomy	11	0.0	2.6	*	0.0	4.8	*	0.0	6.2	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	451	8.2	8.1	1.5	12.4	12.4	1.6	16.9	15.8	2.2
CONDITIONS:										
Acute Myocardial Infarction	6	16.7	32.2	*	33.3	34.6	*	33.3	37.7	*
Congestive Heart Failure	24	12.5	17.2	*	20.8	26.1	*	33.3	33.9	*
Pneumonia/Influenza	15	20.0	11.4	*	20.0	15.6	*	26.7	19.3	*
Chronic Obstructive Pulmonary Disease	5	0.0	8.3	*	0.0	13.7	*	20.0	18.1	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.6	*	0.0	9.1	*
Stroke	10	50.0	20.6	*	60.0	27.2	*	70.0	32.0	*
Hip Fracture	8	0.0	6.8	*	0.0	12.5	*	0.0	16.1	*
Sepsis	5	20.0	42.3	*	40.0	51.4	*	60.0	58.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.4	*	0.0	7.9	*	0.0	12.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	15.3	*	0.0	26.2	*	0.0	31.8	*
Open Reduction of Hip Fracture	6	0.0	5.1	*	0.0	10.2	*	0.0	13.8	*
Prostatectomy	7	0.0	1.3	*	0.0	3.4	*	0.0	5.6	*
Cholecystectomy	8	12.5	4.1	*	25.0	6.8	*	25.0	8.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Mercy Psychiatric Institute
3339 McClure Avenue
Pittsburgh, PA 15212
(412) 766-8300

385.2

Mercy
Psychiatric
Institute

January 2, 1991

Ms. Sandra Kappert
Department of Health & Human Services
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Re: Medicare Hospital Mortality Information

Dear Ms. Kappert:

I have reviewed the enclosures with your letter of December 6, 1990. At this time I want to inform you that Mercy Psychiatric Institute, formerly St. John's Mercy Health Center, has changed its business mission and name effective July 6, 1990.

Mercy Psychiatric Institute is now licensed as a 71-bed psychiatric hospital and no longer offers acute care services. Consequently, mortality information that will be collected in the future will not pertain to our hospital.

Please note this change in your records.

Sincerely,

Robert W. Kocent
President

RWK/rf

c: Gail Wilensky, Ph.D.

ST JOSEPH HOSPITAL

250 College Ave
Lancaster, PA 17604

Medicare Provider Number: 390061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,434	9.4	8.8	0.7	14.7	13.4	1.1	18.1	17.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	75	30.7	26.5	7.6	37.3	29.7	7.7	37.3	33.0	7.2
Congestive Heart Failure	125	15.2	15.7	4.7	23.2	24.2	4.0	30.4	31.2	4.3
Pneumonia/Influenza	113	14.2	18.3	6.3	22.1	24.8	6.0	25.7	29.9	7.4
Chronic Obstructive Pulmonary Disease	36	2.8	9.0	*	16.7	15.4	*	16.7	20.7	*
Transient Cerebral Ischemia	49	0.0	1.6	*	2.0	3.3	*	4.1	5.2	*
Stroke	89	24.7	20.2	5.8	29.2	26.4	6.4	36.0	30.8	8.5
Hip Fracture	68	5.9	7.0	3.3	8.8	12.6	5.0	10.3	16.4	6.9
Sepsis	18	11.1	30.5	*	33.3	38.5	*	38.9	44.8	*
PROCEDURES:										
Angioplasty	7	14.3	5.4	*	14.3	6.9	*	14.3	8.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	3.8	*	9.5	7.1	*	9.5	10.2	*
Carotid Endarterectomy	5	0.0	0.9	*	0.0	1.6	*	0.0	2.3	*
Hip Replacement/Reconstruction	34	2.9	2.8	*	8.8	5.7	*	11.8	8.0	*
Open Reduction of Hip Fracture	46	4.3	6.5	*	8.7	12.2	*	10.9	16.0	*
Prostatectomy	70	0.0	0.9	1.5	1.4	2.3	2.0	2.9	4.0	2.6
Cholecystectomy	40	2.5	1.8	*	2.5	3.0	*	2.5	3.7	*
Hysterectomy	21	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	309
Occupancy Rate	64
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	162
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	282
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL

Medicare Provider Number: 390061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,485	10.1	9.3	0.7	15.4	14.1	1.0	19.0	17.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	75	32.0	29.9	6.2	37.3	33.7	8.0	44.0	37.4	10.1
Congestive Heart Failure	156	24.4	16.3	4.4	35.3	24.8	5.5	41.0	31.5	5.5
Pneumonia/Influenza	117	13.7	17.6	7.1	18.8	23.6	6.7	26.5	28.4	5.1
Chronic Obstructive Pulmonary Disease	32	9.4	9.0	*	18.8	15.4	*	25.0	20.8	*
Transient Cerebral Ischemia	52	0.0	1.8	*	0.0	4.0	*	5.8	6.3	*
Stroke	80	16.2	22.3	7.0	22.5	29.0	8.2	25.0	33.6	8.5
Hip Fracture	58	5.2	6.9	3.6	15.5	12.9	4.9	19.0	16.7	6.3
Sepsis	37	37.8	28.7	*	48.6	36.5	*	51.4	42.9	*
PROCEDURES:										
Angioplasty	14	14.3	6.7	*	21.4	8.3	*	21.4	9.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	7.1	*	12.0	12.1	*	20.0	16.1	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	39	2.6	3.0	*	5.1	6.1	*	7.7	8.3	*
Open Reduction of Hip Fracture	36	2.8	6.1	*	13.9	11.7	*	16.7	15.3	*
Prostatectomy	94	2.1	0.9	1.5	3.2	2.3	1.8	4.3	3.8	2.0
Cholecystectomy	53	7.5	2.9	3.9	7.5	5.3	4.0	9.4	7.1	4.1
Hysterectomy	13	0.0	1.1	*	0.0	2.5	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,507	9.8	8.6	0.8	14.5	13.2	1.0	18.3	16.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	84	28.6	26.8	5.5	32.1	30.4	6.1	34.5	33.9	5.5
Congestive Heart Failure	156	15.4	17.4	3.3	26.9	26.0	3.6	36.5	33.0	5.2
Pneumonia/Influenza	91	18.7	16.3	6.2	24.2	22.2	6.1	28.6	26.9	5.5
Chronic Obstructive Pulmonary Disease	44	9.1	9.1	*	13.6	14.8	*	20.5	19.3	*
Transient Cerebral Ischemia	50	4.0	2.2	*	8.0	4.7	*	10.0	7.4	*
Stroke	86	20.9	21.6	6.0	30.2	28.8	5.0	31.4	33.5	5.5
Hip Fracture	76	9.2	6.5	4.1	14.5	12.1	6.8	21.1	16.0	9.4
Sepsis	36	27.8	25.2	*	36.1	33.2	*	36.1	39.4	*
PROCEDURES:										
Angioplasty	14	7.1	7.6	*	14.3	8.7	*	14.3	10.0	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	3.6	2.1	*	3.6	4.4	*	3.6	6.7	*
Carotid Endarterectomy	19	5.3	1.4	*	5.3	2.6	*	5.3	3.8	*
Hip Replacement/Reconstruction	38	2.6	3.0	*	5.3	5.8	*	10.5	7.9	*
Open Reduction of Hip Fracture	48	12.5	6.3	*	18.8	12.0	*	22.9	16.0	*
Prostatectomy	104	1.0	1.0	1.0	1.9	2.3	2.1	1.9	3.9	3.1
Cholecystectomy	48	2.1	2.3	*	2.1	3.8	*	4.2	4.7	*
Hysterectomy	26	3.8	0.5	*	3.8	1.1	*	3.8	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICARE PROVIDER #390061

ST. JOSEPH HOSPITAL

We have reviewed the mortality statistics as well as HCFA's methodology for compilation and welcome the opportunity to comment.

Methodology

We acknowledge HCFA's ongoing attempts to increase the usefulness and reliability of the mortality statistics. In this report predicted results were calculated by an intricate statistical formula. There is no independent analysis on its effectiveness in predicting mortality related to an illness treated up to 180 days prior by hospitalization.

This time span introduces elements post-discharge which are outside the control of a hospital. These include patient compliance with medical regimen, the effectiveness of services in the outpatient healthcare sector, accidental death and the onset of new debilitating illness.

Results

We are unable to comment on those deaths which occurred outside of our facility. For this reason, we limited our review of individual mortalities to those occurring in the hospital within 30 days in 1989. Those mortalities occurring within 30 days at our hospital in 1988 and 1987 were reviewed for previous publications of this report.

- We have confirmed the accuracy of HCFA's records for those deaths occurring in St. Joseph Hospital in 1989.

- All of these deaths were reviewed and analyzed for the following factors which we believe contribute to an increased risk for imminent mortality.

  1. Emergency admission.

  2. Terminal illness accompanied by patient and/or family request for no extraordinary measures.

  3. The presence of "co-morbid" conditions such as diabetes, hypertension, cancer and congestive heart failure.

  4. Advanced age.

  One or several of these factors was present in each patient's case.

250 College Avenue
Lancaster, PA 17604
717-291-8211
FAX 717-291-8516

- continued

MEDICARE PROVIDER #390061

The results for 1987-1989 were analyzed to determine if any differences between predicted and observed were statistically significant using a formula developed by HCFA. None of the categories, where observed was greater than predicted, was found to be statistically significant. Therefore, we can conclude that the slight variations are not an indication of areas which need further study.

Finally, we would like users of this report to notice that the AHA "Hospital Characteristics" were reported incorrectly with regard to the total of physicians and the percentage of those who were board certified in 1989. A recount showed that St. Joseph Hospital had 153 active and associate medical staff members. Of these, 79% were board certified.

Sincerely,

James E. Lyons
President and CEO

ST JOSEPH HOSPITAL

215 N 12th St
Reading, PA 19603

Medicare Provider Number: 390158

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,196	10.4	9.2	1.0	15.1	14.0	1.2	18.8	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	63	31.7	30.3	6.4	31.7	33.4	6.9	36.5	36.7	6.5
Congestive Heart Failure	116	19.0	14.9	7.3	30.2	22.9	8.9	35.3	29.6	7.9
Pneumonia/Influenza	113	17.7	17.0	3.8	22.1	22.8	4.4	28.3	27.5	4.8
Chronic Obstructive Pulmonary Disease	44	4.5	8.2	*	9.1	13.8	*	18.2	18.6	*
Transient Cerebral Ischemia	42	2.4	1.6	*	2.4	3.5	*	2.4	5.5	*
Stroke	90	25.6	19.3	7.6	30.0	26.4	6.3	34.4	30.8	7.3
Hip Fracture	67	4.5	6.9	4.3	10.4	12.2	6.0	11.9	15.7	6.8
Sepsis	20	20.0	24.1	*	25.0	31.8	*	30.0	37.3	*
PROCEDURES:										
Angioplasty	3	0.0	8.5	*	0.0	9.6	*	0.0	11.0	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.1	*	0.0	8.3	*	0.0	11.9	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Hip Replacement/Reconstruction	40	0.0	3.6	*	2.5	6.6	*	2.5	8.6	*
Open Reduction of Hip Fracture	38	5.3	6.8	*	13.2	12.6	*	15.8	16.5	*
Prostatectomy	75	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	67	3.0	4.0	2.6	7.5	6.5	3.7	7.5	8.0	3.5
Hysterectomy	10	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 289
Occupancy Rate 54
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 148
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 17
Registered Nurses 269
Licensed Practical Nurses 80

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL

Medicare Provider Number: 390158

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,328	10.3	9.1	0.7	14.8	13.9	0.8	18.8	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	76	26.3	28.4	5.5	28.9	31.7	6.2	31.6	35.2	6.9
Congestive Heart Failure	112	17.0	15.7	4.6	24.1	23.9	4.0	32.1	30.7	4.6
Pneumonia/Influenza	91	17.6	18.0	5.0	23.1	24.2	5.4	29.7	29.0	6.7
Chronic Obstructive Pulmonary Disease	31	6.5	8.9	*	19.4	15.7	*	19.4	20.9	*
Transient Cerebral Ischemia	34	0.0	1.8	*	2.9	4.0	*	2.9	6.3	*
Stroke	76	31.6	20.2	7.8	38.2	27.4	8.2	42.1	32.1	7.8
Hip Fracture	68	5.9	7.9	3.7	14.7	14.0	4.7	20.6	17.7	7.6
Sepsis	21	23.8	30.0	*	23.8	41.0	*	38.1	48.0	*
PROCEDURES:										
Angioplasty	6	0.0	7.6	*	0.0	8.6	*	0.0	9.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	2.8	*	11.1	5.5	*	11.1	8.0	*
Carotid Endarterectomy	6	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	44	4.5	4.8	*	11.4	9.2	*	15.9	12.0	*
Open Reduction of Hip Fracture	36	2.8	6.7	*	11.1	12.5	*	16.7	16.1	*
Prostatectomy	85	1.2	1.4	1.3	2.4	2.9	1.8	4.7	4.3	2.2
Cholecystectomy	53	0.0	2.7	4.0	3.8	5.4	5.6	9.4	7.5	5.9
Hysterectomy	16	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,201	10.4	9.2	0.8	14.7	14.1	0.8	18.1	17.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	56	26.8	29.7	6.9	30.4	32.8	7.7	30.4	36.0	8.6
Congestive Heart Failure	117	24.8	18.0	4.8	30.8	27.0	4.5	36.8	34.3	4.7
Pneumonia/Influenza	66	16.7	17.0	4.7	22.7	22.9	5.7	25.8	27.7	6.2
Chronic Obstructive Pulmonary Disease	33	9.1	9.8	*	21.2	17.3	*	27.3	23.4	*
Transient Cerebral Ischemia	38	7.9	2.2	*	10.5	4.8	*	10.5	7.6	*
Stroke	97	26.8	20.6	5.5	29.9	27.9	5.0	35.1	32.4	5.2
Hip Fracture	74	1.4	6.5	4.4	8.1	11.9	5.9	12.2	15.5	4.9
Sepsis	19	36.8	29.9	*	42.1	39.6	*	42.1	46.4	*
PROCEDURES:										
Angioplasty	4	25.0	10.9	*	25.0	11.9	*	25.0	13.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.3	*	13.3	6.3	*	13.3	9.2	*
Carotid Endarterectomy	7	0.0	2.1	*	0.0	4.3	*	0.0	6.7	*
Hip Replacement/Reconstruction	49	0.0	3.5	*	4.1	6.8	*	6.1	9.1	*
Open Reduction of Hip Fracture	39	2.6	6.2	*	7.7	11.8	*	12.8	15.5	*
Prostatectomy	79	0.0	1.0	1.5	2.5	2.3	1.8	5.1	3.7	2.8
Cholecystectomy	51	2.0	2.8	2.4	5.9	5.1	3.2	7.8	6.6	4.5
Hysterectomy	12	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPHS HOSPITAL

16th St Girard Avenue
Philadelphia, PA 19130

Medicare Provider Number: 390077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	949	13.1	11.9	1.1	21.6	17.7	1.4	27.7	22.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	31.4	*	40.0	34.6	*	44.0	38.2	*
Congestive Heart Failure	75	12.0	14.5	6.1	18.7	22.2	7.1	29.3	28.7	7.2
Pneumonia/Influenza	33	9.1	19.7	*	27.3	26.0	*	42.4	30.7	*
Chronic Obstructive Pulmonary Disease	12	16.7	9.8	*	25.0	16.9	*	33.3	23.1	*
Transient Cerebral Ischemia	9	0.0	1.6	*	0.0	3.6	*	11.1	5.7	*
Stroke	41	26.8	15.3	*	41.5	21.4	*	43.9	25.4	*
Hip Fracture	13	7.7	7.3	*	7.7	13.5	*	15.4	18.0	*
Sepsis	23	47.8	36.4	*	69.6	45.1	*	78.3	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	7.1	*	0.0	15.3	*	0.0	22.6	*
Open Reduction of Hip Fracture	10	10.0	6.2	*	10.0	11.7	*	20.0	15.3	*
Prostatectomy	32	0.0	2.1	*	3.1	5.1	*	9.4	8.3	*
Cholecystectomy	3	0.0	4.6	*	0.0	9.1	*	33.3	12.7	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	152
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	175
Percent of Physicians Board Certified Specialists	47
Medical Residents/Interns	29
Registered Nurses	116
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 390077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	973	10.3	11.5	1.2	18.9	17.1	1.3	25.1	21.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	32	15.6	29.2	*	21.9	32.6	*	21.9	36.7	*
Congestive Heart Failure	80	7.5	13.5	5.0	17.5	20.4	5.1	23.7	26.4	5.1
Pneumonia/Influenza	37	16.2	15.3	*	29.7	20.6	*	35.1	24.9	*
Chronic Obstructive Pulmonary Disease	16	6.3	13.2	*	12.5	21.2	*	12.5	27.1	*
Transient Cerebral Ischemia	18	0.0	2.2	*	5.6	4.9	*	5.6	7.8	*
Stroke	50	14.0	22.9	*	24.0	29.9	*	30.0	34.7	*
Hip Fracture	16	6.3	6.2	*	18.8	11.5	*	18.8	14.9	*
Sepsis	16	50.0	34.0	*	62.5	42.6	*	75.0	48.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	15.1	*	50.0	18.4	*	50.0	22.3	*
Carotid Endarterectomy	1	0.0	3.2	*	0.0	5.9	*	0.0	8.8	*
Hip Replacement/Reconstruction	11	0.0	6.2	*	18.2	10.1	*	18.2	13.1	*
Open Reduction of Hip Fracture	9	11.1	6.4	*	22.2	12.3	*	22.2	16.2	*
Prostatectomy	48	2.1	1.9	*	4.2	4.6	*	14.6	7.5	*
Cholecystectomy	7	14.3	8.5	*	14.3	15.3	*	28.6	19.7	*
Hysterectomy	5	0.0	2.2	*	20.0	5.0	*	20.0	7.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	982	11.9	12.1	1.0	19.6	17.5	1.3	24.3	21.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	24	29.2	28.2	*	33.3	31.9	*	33.3	35.9	*
Congestive Heart Failure	83	8.4	14.9	5.7	16.9	22.0	5.6	24.1	28.2	5.5
Pneumonia/Influenza	33	42.4	19.6	*	54.5	26.3	*	54.5	31.2	*
Chronic Obstructive Pulmonary Disease	21	19.0	12.8	*	28.6	20.4	*	28.6	26.0	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	68	16.2	21.5	7.7	23.5	27.7	7.9	30.9	32.1	6.4
Hip Fracture	17	0.0	8.1	*	11.8	13.9	*	17.6	17.5	*
Sepsis	13	46.2	45.5	*	61.5	54.6	*	76.9	61.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.3	*	0.0	5.3	*	20.0	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.3	*	0.0	12.0	*	0.0	15.7	*
Open Reduction of Hip Fracture	11	0.0	7.6	*	9.1	13.3	*	18.2	16.8	*
Prostatectomy	35	0.0	2.0	*	5.7	4.7	*	11.4	7.6	*
Cholecystectomy	4	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Hysterectomy	3	0.0	2.0	*	0.0	4.9	*	0.0	8.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPHS HOSPITAL

100 Lincoln Avenue
Carbondale, PA 18407

Medicare Provider Number: 390095

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	877	10.5	9.5	1.6	16.0	14.5	2.3	19.5	18.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	28.2	*	33.3	31.4	*	38.9	34.8	*
Congestive Heart Failure	72	18.1	15.9	5.4	29.2	24.3	9.8	37.5	31.3	11.0
Pneumonia/Influenza	31	22.6	18.5	*	38.7	24.8	*	41.9	29.6	*
Chronic Obstructive Pulmonary Disease	15	6.7	6.2	*	13.3	11.2	*	20.0	15.7	*
Transient Cerebral Ischemia	33	0.0	2.0	*	0.0	4.4	*	0.0	7.1	*
Stroke	40	12.5	19.1	*	17.5	26.3	*	22.5	30.8	*
Hip Fracture	23	4.3	9.6	*	13.0	15.1	*	17.4	18.9	*
Sepsis	20	20.0	21.6	*	25.0	30.6	*	30.0	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.0	*	12.5	9.3	*	12.5	12.7	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	9	0.0	3.2	*	0.0	5.3	*	0.0	7.0	*
Open Reduction of Hip Fracture	16	6.3	9.8	*	18.8	16.0	*	25.0	20.2	*
Prostatectomy	22	0.0	1.1	*	0.0	2.7	*	0.0	4.6	*
Cholecystectomy	30	16.7	4.5	*	23.3	7.6	*	23.3	9.6	*
Hysterectomy	5	0.0	1.4	*	20.0	2.7	*	20.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 112
Occupancy Rate 56
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 56
Percent of Physicians Board Certified Specialists 38
Medical Residents/Interns 0
Registered Nurses 71
Licensed Practical Nurses 32

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 390095

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	956	10.5	9.9	1.8	16.2	14.9	2.2	20.6	18.8	2.5
CONDITIONS:										
Acute Myocardial Infarction	31	38.7	28.3	*	41.9	31.1	*	45.2	34.4	*
Congestive Heart Failure	63	14.3	17.8	8.3	22.2	26.3	9.2	30.2	33.1	8.3
Pneumonia/Influenza	39	20.5	19.8	*	28.2	26.7	*	30.8	31.9	*
Chronic Obstructive Pulmonary Disease	25	8.0	6.3	*	8.0	12.1	*	12.0	17.2	*
Transient Cerebral Ischemia	30	0.0	2.6	*	3.3	5.6	*	16.7	8.4	*
Stroke	30	23.3	24.8	*	36.7	31.5	*	43.3	36.2	*
Hip Fracture	23	0.0	11.1	*	13.0	18.4	*	26.1	23.1	*
Sepsis	18	27.8	27.8	*	33.3	34.9	*	50.0	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.5	*	0.0	4.9	*	0.0	7.2	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.6	*	25.0	3.7	*
Hip Replacement/Reconstruction	12	0.0	6.4	*	0.0	11.7	*	8.3	15.6	*
Open Reduction of Hip Fracture	16	0.0	8.8	*	18.8	15.0	*	31.3	19.0	*
Prostatectomy	29	0.0	1.1	*	3.4	2.7	*	3.4	4.4	*
Cholecystectomy	16	0.0	3.4	*	0.0	6.3	*	6.3	8.5	*
Hysterectomy	3	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	797	10.3	10.6	2.1	14.6	15.8	2.5	18.4	19.8	2.5
CONDITIONS:										
Acute Myocardial Infarction	24	41.7	28.9	*	41.7	32.2	*	41.7	35.5	*
Congestive Heart Failure	45	8.9	15.3	*	22.2	23.2	*	35.6	29.9	*
Pneumonia/Influenza	38	7.9	17.1	*	15.8	22.8	*	23.7	27.4	*
Chronic Obstructive Pulmonary Disease	13	0.0	6.8	*	0.0	12.2	*	0.0	16.9	*
Transient Cerebral Ischemia	22	0.0	2.0	*	4.5	4.4	*	9.1	7.1	*
Stroke	26	34.6	23.0	*	38.5	29.6	*	38.5	34.3	*
Hip Fracture	13	0.0	11.0	*	0.0	17.8	*	0.0	22.3	*
Sepsis	19	21.1	25.5	*	21.1	34.4	*	36.8	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.6	*	0.0	5.4	*	20.0	8.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	4.3	*	0.0	7.1	*	0.0	8.9	*
Open Reduction of Hip Fracture	8	0.0	10.1	*	0.0	17.2	*	0.0	21.7	*
Prostatectomy	19	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy	22	0.0	2.4	*	4.5	4.8	*	4.5	6.7	*
Hysterectomy	4	0.0	1.4	*	0.0	3.0	*	0.0	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

393.1

SAINT JOSEPH'S HOSPITAL

100 Lincoln Avenue
Carbondale, Pennsylvania 18407
(717) 282-2100

January 15, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Enclosed please find the comments on FY-1989 Medicare Hospital Mortality Data from St. Joseph's Hospital for publication.

If you require any further information or have any questions regarding the enclosed information, please do not hesitate to contact my office.

Thank you for your time and cooperation.

Sincerely yours,

SAINT JOSEPH'S HOSPITAL

Sister Ann Walsh 1/22/91

Sister Ann Walsh, IHM
Vice President, Professional Services

SAW:sb

Enclosure

SAINT JOSEPH'S HOSPITAL
100 Lincoln Avenue
Carbondale, Pennsylvania 18407
(717) 282-2100

MEDICARE PROVIDER # 390095

COMMENTS ON FY-1989 MEDICARE HOSPITAL MORTALITY DATA

The FY-1989 Medicare Hospital Mortality Rates reflect significant changes from the previous three years. The changes involve the methodology and the way the results are displayed for analysis. HCFA cautions that the precision and interpretability of their estimates are questionable when there are 50 or fewer cases in a particular category being analyzed. St. Joseph's Hospital agrees with this caution. It is of no value to comment on the categories with 50 or fewer cases.

For St. Joseph's Hospital only the categories of "All Causes" and "Congestive Heart Failure" contain greater than 50 cases. In both categories, after statistical computation, the observed mortality rate may be interpreted as falling within the predicted range. There is no statistically significant difference between the actual and observed mortality rates. Therefore, there is no need of further analysis.

Mortality reviews have always been a part of the Quality Assurance activities at the hospital. Mortality rates alone are not a complete measure of quality or hospital performance. At St. Joseph's Hospital, particularly, the small number of cases severly limit the validity of the data.

ST LUKES HOSPITAL OF BETHLEHEM

801 Ostrum St
Bethlehem, PA 18015

Medicare Provider Number: 390049

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,551	7.2	9.2	0.8	12.5	14.1	0.8	16.2	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	130	16.2	29.4	5.5	22.3	32.9	5.7	26.9	36.5	5.0
Congestive Heart Failure	193	11.9	15.2	4.9	22.8	23.4	5.1	29.5	30.1	3.5
Pneumonia/Influenza	93	14.0	15.4	4.7	20.4	21.0	4.3	22.6	25.4	5.3
Chronic Obstructive Pulmonary Disease	59	6.8	7.0	3.9	18.6	13.0	6.5	20.3	18.2	6.3
Transient Cerebral Ischemia	85	3.5	2.0	2.2	8.2	4.5	3.4	8.2	7.1	3.0
Stroke	114	12.3	18.7	5.5	20.2	24.9	5.2	22.8	29.1	5.6
Hip Fracture	57	3.5	6.7	3.8	5.3	12.1	5.9	14.0	15.6	5.0
Sepsis	49	16.3	23.4	*	28.6	30.6	*	30.6	36.2	*
PROCEDURES:										
Angioplasty	41	0.0	4.5	*	4.9	5.5	*	7.3	6.7	*
Coronary Artery Bypass Graft	57	5.3	4.6	2.9	7.0	6.8	3.7	10.5	8.3	4.5
Initial Pacemaker Insertion	22	4.5	3.4	*	9.1	6.4	*	9.1	9.0	*
Carotid Endarterectomy	33	0.0	1.3	*	0.0	2.6	*	3.0	3.8	*
Hip Replacement/Reconstruction	51	3.9	2.7	3.1	3.9	5.3	3.3	7.8	7.3	3.7
Open Reduction of Hip Fracture	27	3.7	6.9	*	7.4	12.9	*	18.5	16.9	*
Prostatectomy	86	0.0	1.0	1.3	1.2	2.4	2.0	3.5	4.1	2.8
Cholecystectomy	76	0.0	3.5	2.7	1.3	6.2	3.7	1.3	8.1	4.8
Hysterectomy	41	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 347
Occupancy Rate 86
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 272
Percent of Physicians Board Certified Specialists 82
Medical Residents/Interns 28
Registered Nurses 421
Licensed Practical Nurses 73

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST LUKES HOSPITAL OF BETHLEHEM

Medicare Provider Number: 390049

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,833	8.1	9.6	0.6	13.3	14.6	0.7	16.7	18.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	104	27.9	26.7	4.5	32.7	29.9	5.3	37.5	33.3	5.3
Congestive Heart Failure	217	12.9	17.5	4.2	22.1	26.1	5.2	26.7	33.1	6.1
Pneumonia/Influenza	99	14.1	17.0	4.7	21.2	23.2	5.5	24.2	27.9	7.5
Chronic Obstructive Pulmonary Disease	43	4.7	7.9	*	9.3	14.0	*	16.3	19.3	*
Transient Cerebral Ischemia	65	3.1	2.0	2.0	3.1	4.5	2.8	4.6	7.1	3.3
Stroke	160	19.4	22.3	5.3	25.0	29.0	5.8	28.1	33.7	7.1
Hip Fracture	71	5.6	7.0	3.7	5.6	12.4	6.2	8.5	15.8	7.5
Sepsis	28	35.7	29.0	*	50.0	36.3	*	50.0	42.4	*
PROCEDURES:										
Angioplasty	27	7.4	3.7	*	11.1	4.6	*	11.1	5.6	*
Coronary Artery Bypass Graft	94	9.6	6.2	2.8	14.9	8.7	3.7	19.1	10.3	4.5
Initial Pacemaker Insertion	14	7.1	8.2	*	7.1	11.0	*	21.4	13.8	*
Carotid Endarterectomy	24	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	43	9.3	3.7	*	9.3	7.0	*	14.0	9.1	*
Open Reduction of Hip Fracture	36	5.6	5.6	*	5.6	10.3	*	5.6	13.4	*
Prostatectomy	116	0.9	1.2	1.1	2.6	2.6	1.5	5.2	4.0	2.5
Cholecystectomy	94	3.2	3.2	1.8	5.3	5.9	2.7	5.3	7.8	3.5
Hysterectomy	48	0.0	0.4	*	0.0	0.9	*	2.1	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,493	9.3	9.7	0.7	13.9	14.6	0.9	17.7	18.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	136	23.5	28.6	7.9	25.7	31.7	7.8	30.1	35.1	6.8
Congestive Heart Failure	179	14.0	18.5	5.5	21.8	26.8	5.9	31.3	33.8	4.7
Pneumonia/Influenza	97	10.3	15.3	7.2	16.5	20.8	6.4	22.7	25.2	5.2
Chronic Obstructive Pulmonary Disease	51	9.8	11.2	6.4	19.6	18.3	7.0	23.5	23.9	6.2
Transient Cerebral Ischemia	69	0.0	1.8	2.1	2.9	3.8	3.4	2.9	5.9	5.4
Stroke	112	26.8	25.6	4.8	37.5	33.1	8.8	40.2	37.8	7.6
Hip Fracture	50	6.0	7.8	*	12.0	13.7	*	14.0	17.4	*
Sepsis	35	22.9	32.1	*	37.1	40.6	*	51.4	47.1	*
PROCEDURES:										
Angioplasty	25	8.0	5.5	*	8.0	6.4	*	12.0	7.6	*
Coronary Artery Bypass Graft	57	10.5	4.8	4.7	14.0	6.4	5.7	14.0	7.5	5.8
Initial Pacemaker Insertion	18	0.0	3.4	*	0.0	6.1	*	5.6	8.5	*
Carotid Endarterectomy	15	6.7	1.8	*	6.7	3.4	*	6.7	4.9	*
Hip Replacement/Reconstruction	48	4.2	3.3	*	6.3	6.2	*	8.3	8.3	*
Open Reduction of Hip Fracture	26	7.7	6.9	*	15.4	13.0	*	15.4	17.0	*
Prostatectomy	123	1.6	1.2	1.2	1.6	2.5	1.9	2.4	4.0	3.0
Cholecystectomy	78	1.3	3.6	2.5	3.8	6.5	3.3	7.7	8.6	3.3
Hysterectomy	34	2.9	0.6	*	2.9	1.2	*	5.9	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MARGARET MEMORIAL HOSPITAL

815 Freeport Road
Pittsburgh, PA 15215

Medicare Provider Number: 390102

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,726	7.5	8.6	0.8	11.7	13.1	1.0	15.3	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	95	30.5	26.1	6.6	31.6	29.1	5.9	33.7	32.3	5.0
Congestive Heart Failure	154	12.3	16.6	5.8	20.8	25.9	7.5	29.9	33.2	5.7
Pneumonia/Influenza	95	14.7	19.1	5.0	26.3	25.9	5.9	31.6	31.0	5.8
Chronic Obstructive Pulmonary Disease	56	3.6	10.5	5.5	5.4	17.1	7.1	14.3	22.4	7.3
Transient Cerebral Ischemia	34	2.9	1.6	*	8.8	3.4	*	11.8	5.3	*
Stroke	134	14.9	17.7	4.1	26.1	24.6	4.7	29.1	29.0	4.4
Hip Fracture	60	0.0	7.9	8.3	1.7	13.8	11.9	8.3	17.6	9.1
Sepsis	24	12.5	27.0	*	25.0	34.0	*	25.0	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	5.6	*	11.8	9.1	*	11.8	12.1	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	85	0.0	1.9	1.9	0.0	3.6	3.0	1.2	5.1	3.5
Open Reduction of Hip Fracture	34	0.0	7.5	*	2.9	13.6	*	11.8	17.5	*
Prostatectomy	36	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*
Cholecystectomy	55	3.6	3.8	3.2	5.5	6.9	3.9	7.3	9.2	4.3
Hysterectomy	5	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 267
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 245
Percent of Physicians Board Certified Specialists 90
Medical Residents/Interns 32
Registered Nurses 210
Licensed Practical Nurses 39

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST MARGARET MEMORIAL HOSPITAL

Medicare Provider Number: 390102

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,778	7.7	8.4	0.9	11.7	12.8	0.8	15.0	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	86	26.7	27.3	5.3	31.4	30.7	5.4	34.9	34.1	5.5
Congestive Heart Failure	147	11.6	17.1	4.7	17.7	26.1	5.6	23.8	33.2	5.8
Pneumonia/Influenza	102	11.8	17.3	6.7	18.6	23.2	7.3	23.5	27.8	6.1
Chronic Obstructive Pulmonary Disease	51	11.8	9.7	4.7	19.6	15.7	6.2	23.5	20.8	7.0
Transient Cerebral Ischemia	36	2.8	2.3	*	2.8	5.4	*	5.6	8.6	*
Stroke	110	8.2	19.1	5.1	14.5	25.7	5.6	16.4	30.2	6.2
Hip Fracture	62	9.7	7.2	4.1	14.5	12.9	5.4	17.7	16.6	5.8
Sepsis	28	39.3	29.1	*	39.3	35.6	*	42.9	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	10.0	*	7.7	13.6	*	7.7	17.4	*
Carotid Endarterectomy	3	0.0	1.9	*	33.3	3.8	*	33.3	5.7	*
Hip Replacement/Reconstruction	110	1.8	2.2	1.5	2.7	4.2	2.3	3.6	5.6	2.8
Open Reduction of Hip Fracture	33	12.1	6.6	*	18.2	12.4	*	21.2	16.2	*
Prostatectomy	50	0.0	1.2	*	2.0	2.8	*	2.0	4.4	*
Cholecystectomy	53	0.0	3.0	*	0.0	5.7	*	1.9	7.7	*
Hysterectomy	18	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,659	7.7	8.6	0.7	12.3	12.9	0.8	15.3	16.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	88	23.9	28.5	5.5	29.5	31.9	5.3	34.1	35.1	5.2
Congestive Heart Failure	134	10.4	17.6	5.6	24.6	26.3	5.0	30.6	33.3	4.6
Pneumonia/Influenza	62	19.4	18.0	5.0	22.6	23.7	5.5	27.4	28.4	5.8
Chronic Obstructive Pulmonary Disease	52	9.6	13.2	6.1	11.5	20.2	8.8	17.3	25.4	9.5
Transient Cerebral Ischemia	50	2.0	1.9	*	6.0	4.2	*	6.0	6.6	*
Stroke	95	20.0	20.0	4.2	21.1	26.5	5.0	23.2	30.9	5.8
Hip Fracture	49	6.1	6.8	*	12.2	12.2	*	12.2	15.7	*
Sepsis	24	41.7	33.1	*	45.8	41.3	*	50.0	47.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.1	*	15.8	7.9	*	15.8	11.6	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	3.0	*	0.0	4.2	*
Hip Replacement/Reconstruction	89	0.0	1.5	*	0.0	2.7	*	1.1	3.6	*
Open Reduction of Hip Fracture	28	7.1	6.0	*	17.9	11.2	*	17.9	14.6	*
Prostatectomy	58	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	63	3.2	2.8	4.6	9.5	5.1	5.8	9.5	6.8	6.3
Hysterectomy	12	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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SAINT
MARGARET
MEMORIAL
HOSPITAL

815 Freeport Road
Pittsburgh, PA 15215
(412) 784-4000

Office of the
President

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Mortality Information
Hospital ID: 390102

Dear Mrs. Kappert:

Thank you for the opportunity to respond to the mortality data prepared by HCFA relative to St. Margaret Memorial Hospital. Our review of the data revealed no significant errors, although we were unable to confirm all the deaths indicated as occurring after discharge from the hospital, particularly as the time between death and discharge from the hospital grows longer.

Yours truly,

Stanley J. Kevish
President

SJK/dk

ST MARY HOSPITAL

Langhorne-Newtown Rd
Langhorne, PA 19047

Medicare Provider Number: 390258

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,876	11.7	9.6	0.9	17.3	14.5	1.1	21.8	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	56	33.9	30.5	6.7	39.3	34.2	8.2	44.6	37.8	9.1
Congestive Heart Failure	72	20.8	14.5	8.5	26.4	22.8	7.4	33.3	29.9	6.8
Pneumonia/Influenza	71	16.9	16.3	4.7	26.8	22.1	8.2	32.4	26.9	8.2
Chronic Obstructive Pulmonary Disease	48	14.6	7.0	*	25.0	12.5	*	27.1	17.4	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.5	*	3.7	7.3	*
Stroke	101	24.8	19.0	6.5	27.7	26.2	5.0	31.7	30.7	4.7
Hip Fracture	73	4.1	6.6	3.8	11.0	11.9	3.9	17.8	15.5	4.8
Sepsis	29	41.4	31.6	*	51.7	39.5	*	51.7	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.6	*	0.0	3.4	*	0.0	5.2	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	26	3.8	3.0	*	7.7	6.0	*	7.7	8.3	*
Open Reduction of Hip Fracture	37	2.7	6.3	*	8.1	11.8	*	18.9	15.4	*
Prostatectomy	71	0.0	0.9	1.4	0.0	2.3	2.9	4.2	4.1	2.4
Cholecystectomy	25	8.0	2.3	*	16.0	4.1	*	16.0	5.4	*
Hysterectomy	22	0.0	1.7	*	0.0	3.4	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 251
Occupancy Rate 73
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 305
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 0
Registered Nurses 279
Licensed Practical Nurses 41

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

ST MARY HOSPITAL

Medicare Provider Number: 390258

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,873	10.3	9.9	0.7	16.1	15.0	1.0	21.2	19.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	32.7	*	35.0	36.2	*	40.0	40.1	*
Congestive Heart Failure	91	15.4	17.4	4.4	24.2	26.6	5.1	31.9	33.9	5.8
Pneumonia/Influenza	100	23.0	18.5	4.5	31.0	25.0	6.4	38.0	30.0	7.0
Chronic Obstructive Pulmonary Disease	33	0.0	5.6	*	9.1	10.3	*	9.1	14.5	*
Transient Cerebral Ischemia	55	1.8	2.3	2.1	1.8	5.3	5.1	10.9	8.5	4.9
Stroke	95	21.1	20.1	4.3	24.2	27.6	5.5	30.5	32.4	5.1
Hip Fracture	51	5.9	7.3	3.9	19.6	13.1	7.4	23.5	16.7	10.4
Sepsis	21	38.1	38.2	*	52.4	48.0	*	61.9	55.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	13	0.0	3.7	*	0.0	6.9	*	0.0	9.0	*
Open Reduction of Hip Fracture	33	6.1	7.0	*	18.2	13.0	*	21.2	16.9	*
Prostatectomy	52	1.9	0.9	2.2	5.8	2.2	3.5	7.7	3.6	4.4
Cholecystectomy	20	0.0	1.8	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	9	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,702	11.8	10.6	0.8	18.6	15.8	1.1	22.8	19.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	53	30.2	28.6	6.3	32.1	31.5	6.5	35.8	34.8	6.7
Congestive Heart Failure	85	24.7	16.1	4.9	40.0	24.5	6.8	42.4	31.4	7.6
Pneumonia/Influenza	92	20.7	18.6	4.2	35.9	25.1	6.0	41.3	30.3	6.3
Chronic Obstructive Pulmonary Disease	36	5.6	9.5	*	11.1	15.9	*	13.9	21.1	*
Transient Cerebral Ischemia	44	0.0	1.9	*	2.3	4.3	*	4.5	6.8	*
Stroke	88	15.9	20.8	4.8	28.4	28.3	4.9	37.5	33.1	6.3
Hip Fracture	51	9.8	6.3	5.0	13.7	11.9	4.8	15.7	15.7	5.2
Sepsis	21	14.3	24.7	*	28.6	31.9	*	33.3	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.3	*	14.3	9.0	*	14.3	13.5	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.4	*	33.3	4.9	*
Hip Replacement/Reconstruction	12	8.3	7.5	*	8.3	12.4	*	16.7	15.6	*
Open Reduction of Hip Fracture	26	11.5	5.8	*	19.2	11.9	*	19.2	16.4	*
Prostatectomy	56	0.0	1.3	2.8	3.6	3.2	4.3	8.9	5.4	6.0
Cholecystectomy	28	0.0	2.6	*	3.6	4.8	*	7.1	6.6	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST VINCENT HEALTH CENTER

232 West 25th Street
Erie, PA 16544

Medicare Provider Number: 390009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,657	10.1	9.6	0.6	15.4	14.5	0.9	19.0	18.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	139	27.3	28.0	4.0	31.7	31.3	4.5	33.8	34.6	4.7
Congestive Heart Failure	188	14.4	15.5	2.8	23.9	23.7	3.3	33.0	30.5	4.6
Pneumonia/Influenza	133	18.8	18.1	4.1	25.6	24.5	4.3	31.6	29.4	4.6
Chronic Obstructive Pulmonary Disease	104	7.7	7.6	2.7	12.5	13.0	3.5	17.3	17.7	3.8
Transient Cerebral Ischemia	52	11.5	2.1	3.9	11.5	4.6	4.6	11.5	7.3	6.1
Stroke	142	23.9	18.9	7.0	31.0	25.7	7.2	34.5	30.0	6.2
Hip Fracture	89	4.5	7.5	4.1	11.2	13.3	4.3	18.0	17.1	4.0
Sepsis	34	35.3	30.2	*	38.2	39.3	*	41.2	46.4	*
PROCEDURES:										
Angioplasty	28	0.0	3.1	*	0.0	4.0	*	0.0	5.2	*
Coronary Artery Bypass Graft	77	5.2	5.4	2.7	10.4	7.5	4.0	11.7	8.8	4.9
Initial Pacemaker Insertion	26	11.5	4.3	*	19.2	7.3	*	19.2	9.8	*
Carotid Endarterectomy	9	11.1	1.2	*	11.1	2.2	*	11.1	3.2	*
Hip Replacement/Reconstruction	46	4.3	3.3	*	6.5	6.3	*	10.9	8.6	*
Open Reduction of Hip Fracture	20	5.0	6.9	*	10.0	13.1	*	25.0	17.4	*
Prostatectomy	132	2.3	1.4	1.2	6.1	2.7	2.6	7.6	4.3	3.1
Cholecystectomy	51	5.9	3.0	2.8	11.8	5.7	4.5	15.7	7.5	5.4
Hysterectomy	26	3.8	0.4	*	3.8	0.9	*	7.7	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 584
Occupancy Rate 61
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 209
Percent of Physicians Board Certified Specialists 85
Medical Residents/Interns 20
Registered Nurses 509
Licensed Practical Nurses 75

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

ST VINCENT HEALTH CENTER

Medicare Provider Number: 390009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,852	9.1	8.4	0.7	13.6	12.9	0.9	17.5	16.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	129	29.5	27.8	4.5	34.1	30.8	5.0	35.7	34.1	4.9
Congestive Heart Failure	197	15.2	16.1	3.4	24.4	24.7	3.2	31.0	31.6	3.5
Pneumonia/Influenza	133	12.8	17.1	4.6	21.1	23.6	4.4	23.3	28.6	5.6
Chronic Obstructive Pulmonary Disease	111	9.9	7.2	3.4	13.5	12.7	3.2	16.2	17.5	3.7
Transient Cerebral Ischemia	56	1.8	1.9	*	1.8	4.2	*	1.8	6.6	*
Stroke	153	20.9	17.5	5.6	26.8	24.4	5.7	32.7	28.9	6.6
Hip Fracture	101	9.9	5.6	3.1	16.8	10.4	4.4	21.8	13.8	6.0
Sepsis	40	20.0	25.4	*	30.0	33.4	*	35.0	39.9	*
PROCEDURES:										
Angioplasty	17	0.0	2.6	*	0.0	3.2	*	0.0	4.0	*
Coronary Artery Bypass Graft	77	9.1	5.3	4.7	11.7	7.6	5.1	11.7	9.2	5.4
Initial Pacemaker Insertion	22	0.0	6.0	*	0.0	8.6	*	0.0	11.0	*
Carotid Endarterectomy	20	0.0	1.4	*	5.0	2.7	*	5.0	4.0	*
Hip Replacement/Reconstruction	63	1.6	2.1	2.0	4.8	4.1	2.6	4.8	5.6	3.0
Open Reduction of Hip Fracture	15	13.3	4.8	*	20.0	9.5	*	26.7	13.0	*
Prostatectomy	115	0.0	1.2	1.4	0.0	2.4	2.4	1.7	3.9	2.4
Cholecystectomy	51	0.0	2.9	3.7	5.9	5.0	3.1	5.9	6.7	3.8
Hysterectomy	28	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,875	8.2	7.8	0.7	13.7	12.3	0.8	17.3	15.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	104	27.9	28.2	4.4	31.7	31.4	4.7	33.7	34.8	4.8
Congestive Heart Failure	173	16.2	15.9	2.8	24.9	24.3	3.7	34.7	31.3	5.9
Pneumonia/Influenza	100	20.0	16.8	6.6	30.0	22.8	7.0	33.0	27.7	7.8
Chronic Obstructive Pulmonary Disease	116	11.2	9.0	4.4	18.1	15.3	6.3	25.9	20.2	7.6
Transient Cerebral Ischemia	76	1.3	1.8	1.6	2.6	3.8	2.4	5.3	6.0	3.0
Stroke	146	20.5	17.1	5.2	29.5	23.8	5.4	30.8	28.1	4.3
Hip Fracture	93	5.4	5.8	2.6	6.5	10.7	4.7	8.6	14.1	6.0
Sepsis	45	31.1	24.0	*	46.7	31.8	*	53.3	38.1	*
PROCEDURES:										
Angioplasty	16	6.3	3.1	*	6.3	3.8	*	6.3	4.7	*
Coronary Artery Bypass Graft	61	14.8	5.1	4.9	14.8	6.9	4.9	14.8	7.9	5.0
Initial Pacemaker Insertion	38	2.6	4.7	*	7.9	7.9	*	7.9	10.7	*
Carotid Endarterectomy	30	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	60	1.7	3.5	3.4	5.0	6.8	5.3	5.0	9.2	5.3
Open Reduction of Hip Fracture	14	7.1	5.6	*	7.1	10.8	*	21.4	14.6	*
Prostatectomy	152	1.3	0.8	0.8	2.0	2.1	1.2	3.9	3.5	1.6
Cholecystectomy	73	2.7	3.5	3.2	5.5	5.9	4.6	5.5	7.5	4.4
Hysterectomy	18	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Saint Vincent
Health Center

232 West 25 Street
Erie, Pennsylvania 16544
814/452-5000

January 11, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Thank you again for requesting our comments on the Health Care Financing Administration (HCFA) mortality data. We appreciate receiving this data, which is otherwise unavailable in this form.

We have reviewed the Saint Vincent data provided by HCFA and find it seemingly accurate. Saint Vincent appears to fall within the predicted mortality ranges in all but one DRG, in which only a small number of cases were reported. The statistical significance of this result is therefore in question.

Overall, we are pleased to see that some changes have been made in your methodology. Several additional changes are still needed, however, to produce meaningful data, such as appropriate severity adjustments.

As in the past, we will incorporate this data into our existing quality assurance process as yet another screen. Due to the data's limitations, we believe that this is its only meaningful use. True quality assessment can only be achieved through peer review on a case-by-case basis.

Thank you again for the opportunity to comment. Saint Vincent and its medical staff remain committed in theory and practice to quality assessment and the provision of high quality medical care. We commend you for your efforts in this area.

Sincerely,

SAINT VINCENT HEALTH CENTER

Sr. Margaret Ann Hardner
President

SUBURBAN GENERAL HOSPITAL

S Jackson Ave
Pittsburgh, PA 15212

Medicare Provider Number: 390074

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,895	7.1	9.0	1.0	11.1	13.8	1.3	15.1	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	59	27.1	27.0	6.4	30.5	30.8	6.6	32.2	34.2	6.2
Congestive Heart Failure	118	11.9	15.9	5.2	22.0	24.4	5.0	27.1	31.3	5.7
Pneumonia/Influenza	64	10.9	14.9	6.6	14.1	20.2	8.1	20.3	24.6	6.9
Chronic Obstructive Pulmonary Disease	44	4.5	8.1	*	9.1	15.1	*	15.9	21.0	*
Transient Cerebral Ischemia	38	2.6	1.8	*	2.6	4.1	*	2.6	6.6	*
Stroke	95	13.7	19.8	5.7	20.0	26.5	6.5	27.4	30.8	5.3
Hip Fracture	57	10.5	7.6	4.4	15.8	13.3	5.3	19.3	17.0	5.6
Sepsis	21	23.8	22.5	*	23.8	29.9	*	28.6	35.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	4.2	*	0.0	8.1	*	9.5	11.4	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	19	0.0	2.7	*	5.3	5.2	*	10.5	7.0	*
Open Reduction of Hip Fracture	31	12.9	7.2	*	19.4	13.1	*	22.6	16.8	*
Prostatectomy	44	2.3	1.5	*	2.3	3.6	*	4.5	5.9	*
Cholecystectomy	29	3.4	3.2	*	3.4	5.8	*	3.4	7.7	*
Hysterectomy	10	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 176
Occupancy Rate 68
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 117
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 160
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SUBURBAN GENERAL HOSPITAL

Medicare Provider Number: 390074

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,944	9.1	9.5	0.8	14.1	14.6	0.9	17.7	18.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	30.2	27.1	6.3	36.5	30.8	6.9	38.1	34.4	6.8
Congestive Heart Failure	117	18.8	17.9	4.4	28.2	27.0	5.0	35.0	34.2	4.5
Pneumonia/Influenza	46	13.0	17.3	*	23.9	23.0	*	28.3	27.6	*
Chronic Obstructive Pulmonary Disease	70	1.4	9.4	7.9	4.3	15.5	9.9	10.0	20.8	8.5
Transient Cerebral Ischemia	41	0.0	2.2	*	2.4	4.9	*	4.9	7.8	*
Stroke	83	22.9	21.1	4.8	31.3	28.1	5.6	37.3	32.6	8.0
Hip Fracture	48	8.3	7.8	*	12.5	14.0	*	16.7	17.9	*
Sepsis	19	36.8	25.2	*	42.1	32.4	*	47.4	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	4.1	*	8.7	7.6	*	8.7	10.9	*
Carotid Endarterectomy	8	12.5	1.6	*	12.5	2.9	*	12.5	4.3	*
Hip Replacement/Reconstruction	16	0.0	1.0	*	0.0	1.9	*	6.3	2.6	*
Open Reduction of Hip Fracture	30	3.3	6.8	*	6.7	12.8	*	10.0	16.7	*
Prostatectomy	40	0.0	1.1	*	2.5	2.6	*	2.5	4.3	*
Cholecystectomy	23	0.0	2.6	*	4.3	4.5	*	4.3	5.8	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,080	8.3	9.1	1.0	12.7	13.8	1.1	16.3	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	76	23.7	29.9	5.9	31.6	33.4	5.5	34.2	36.8	5.7
Congestive Heart Failure	119	21.0	17.8	4.4	27.7	26.8	4.2	30.3	34.2	4.7
Pneumonia/Influenza	63	9.5	15.0	6.6	12.7	20.0	7.7	15.9	24.5	7.7
Chronic Obstructive Pulmonary Disease	70	7.1	11.3	7.2	11.4	18.2	8.9	15.7	23.5	9.7
Transient Cerebral Ischemia	62	1.6	2.3	2.1	3.2	5.0	3.2	8.1	8.0	3.6
Stroke	85	29.4	21.3	5.6	34.1	28.7	5.3	37.6	33.3	5.6
Hip Fracture	51	2.0	5.9	4.8	5.9	10.8	7.0	5.9	14.3	8.0
Sepsis	17	29.4	27.6	*	35.3	35.2	*	35.3	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	7.4	5.4	*	7.4	10.6	*	14.8	15.0	*
Carotid Endarterectomy	6	0.0	2.2	*	0.0	4.5	*	16.7	6.5	*
Hip Replacement/Reconstruction	37	0.0	2.9	*	2.7	5.6	*	2.7	7.6	*
Open Reduction of Hip Fracture	32	0.0	5.1	*	3.1	9.8	*	3.1	13.1	*
Prostatectomy	52	0.0	1.0	1.6	1.9	2.5	2.3	3.8	4.3	2.9
Cholecystectomy	51	2.0	3.8	3.2	2.0	6.2	4.4	3.9	8.0	4.9
Hysterectomy	6	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

403.1

SUBURBAN GENERAL HOSPITAL
Where Caring Is A Tradition

Medicare Provider Number-390074

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert, 15 January 1991

The following is an interpretation of our hospital specific HCFA Mortality Report. We found our facility to fall below the predicted percentages for all mortality cases during 1987, 1988, and 1989. Also noted on an overview is the decline in the mortality numbers, which is in direct relation to our decline in census. The hospital population runs on a consistent 60-70% Medicare client basis.

DATA- 1989

Highest number of cases (Condition listing):

1. CHF
2. Stroke
3. Pneumonia/Influenza

All fell below the predicted mortality rate at each the 30, 90, and 180 days post-admission review.

The following conditions fell above the predicted mortality rates at 30 day, with only the Hip Fracture falling above the predicted rate at both 90 and 180 days;

		OBSERVED	PREDICTED
1.	Acute MI	27.1	27
2.	Transient Cerebral Ischemia	2.6	1.8
3.	Hip Fracture	10.5	7.6
4.	Sepsis	23.8	22.5

Both Transient Cerebral Ischemia and Sepsis had small number of cases and therefore did not generate a standard deviation. The Acute MI and Hip Fracture cases did fall within one standard deviation from the mean.

Highest number of cases (Procedure listing):

1. Prostatectomy
2. Open Reduction of Hip Fracture
3. Cholecystectomy

All fell above the predicted rate at 30 days, noting the Open Reduction of Hip Fracture to remain above the predicted rate at 90 and 180 days. All procedure listings for 1989 data did not generate enough cases to list a standard deviation.

South Jackson Avenue • Bellevue • Pittsburgh, Pennsylvania 15202-3499 • (412) 734-1800 • FAX: (412) 766-5592

Also noted in relation to the 1989 data, Hip Replacement/Reconstruction fell above the predicted rate at both 90 (slightly above OBS 5.3-PRED 5.2) and 180 days.

Reviewing the 1988 data, again "All Cases" fell slightly below the predicted rate. Our highest number of cases under the Condition listing were as follows;

1. CHF - Above the predicted rate at 30, 90, and 180 days but falling within one standard deviation.
2. Stroke- Above the predicted rate at 30, 90, and 180 days but falling within one standard deviation.
3. COPD- Fell below the predicted rate on all days and also falling below one standard deviation but remaining within two standard deviations (as opposed to falling within the confidence).

Those conditions during 1988 which fell above the predicted mortality rate are;
1. Acute MI- was above the predicted rate at each the 30, 90, and 180 day intervals, but remained within one standard deviation.
2. Hip Fracture- fell above the predicted rate at only the 30 day interval and no standard deviation was given (48 cases).
3. Sepsis- fell above the predicted rate on all day intervals without a given standard deviation (19 cases).

Highest number of cases under the Procedure listing are as follows;
1. Prostatectomy
2. Open Reduction Hip Fracture
3. A. Cholecystectomy (23 cases)
   B. Initial Pacemaker Insertion (23 Cases)

All fell below the predicted mortality rate for all intervals with the exception of Initial Pacemaker Insertion which fell above the predicted mortality rate at both 30 and 90 days. The number of deaths in this category was too small to estimate a standard deviation.

The 1988 data also indicated that Carotid Endarterectomies had a high mortality rate (all day intervals), noting only 8 cases for 1988 and no standard deviation for comparison. The observed rate remained consistent at 12.5 for all day intervals, with the predicted rate at 1.6, 2.9, and 4.3 respectively. This will require further investigation by our facility.

During fiscal year 1987, we fell below the predicted rate in "All Causes," but noted that the number of mortalities was 2,080 in comparison to 1989 data total cases at 1,895. Our highest number of cases under Conditions is as follows;
1. CHF- fell above the predicted rate at both 30 and 90 day intervals but within one standard deviation.
2. Stroke- fell above at all day intervals, noting to fall within two standard deviations at the 30 and 90 day intervals and within one standard deviation at the 180 day interval.
3. Acute MI- Fell below the predicted rates at all day intervals.

Other 1987 case data per condition indicated that Sepsis fell above the predicted rate at 30 and 90 days but that the case total (17) was too small to indicate a standard deviation. Also noted is Transient Cerebral Ischemia which fell slightly above the predicted mortality rate at 180 days.

SUBURBAN GENERAL HOSPITAL

2701 Dekalb Pike
Norristown, PA 19401

Medicare Provider Number: 390116

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	956	11.0	9.7	1.4	16.1	15.0	1.5	19.6	19.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	27.6	*	33.3	31.3	*	38.9	34.7	*
Congestive Heart Failure	65	12.3	16.7	6.3	16.9	25.6	9.1	24.6	32.6	9.4
Pneumonia/Influenza	43	34.9	18.2	*	37.2	25.0	*	37.2	30.0	*
Chronic Obstructive Pulmonary Disease	16	12.5	7.2	*	18.8	12.8	*	18.8	17.7	*
Transient Cerebral Ischemia	11	0.0	2.1	*	0.0	4.6	*	9.1	7.4	*
Stroke	21	0.0	16.4	*	14.3	23.3	*	14.3	27.5	*
Hip Fracture	14	14.3	6.8	*	21.4	11.9	*	21.4	15.3	*
Sepsis	2	50.0	25.0	*	50.0	32.1	*	50.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.2	*	14.3	7.6	*	14.3	10.4	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	7	0.0	3.1	*	28.6	5.7	*	28.6	7.5	*
Open Reduction of Hip Fracture	6	16.7	6.2	*	16.7	11.6	*	16.7	15.3	*
Prostatectomy	31	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*
Cholecystectomy	8	0.0	0.9	*	0.0	1.4	*	0.0	1.8	*
Hysterectomy	4	0.0	1.2	*	0.0	2.8	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 118
Occupancy Rate 68
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 218
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 32
Registered Nurses 146
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SUBURBAN GENERAL HOSPITAL

Medicare Provider Number: 390116

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	997	9.4	9.1	1.0	14.8	14.2	1.4	18.9	18.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	23	34.8	26.2	*	39.1	29.2	*	39.1	32.6	*
Congestive Heart Failure	65	12.3	15.0	6.0	21.5	23.0	5.4	30.8	29.7	6.0
Pneumonia/Influenza	33	24.2	16.2	*	27.3	21.7	*	33.3	26.1	*
Chronic Obstructive Pulmonary Disease	32	6.3	8.3	*	6.3	13.7	*	9.4	18.1	*
Transient Cerebral Ischemia	26	0.0	2.2	*	0.0	4.8	*	3.8	7.6	*
Stroke	34	17.6	20.2	*	23.5	27.3	*	26.5	31.8	*
Hip Fracture	23	4.3	5.9	*	4.3	10.5	*	4.3	13.4	*
Sepsis	8	25.0	33.1	*	25.0	43.3	*	25.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.7	*	0.0	10.4	*	0.0	14.7	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	8	0.0	4.8	*	0.0	9.5	*	0.0	12.6	*
Open Reduction of Hip Fracture	13	7.7	5.7	*	7.7	10.4	*	7.7	13.4	*
Prostatectomy	29	3.4	1.0	*	3.4	2.4	*	3.4	4.1	*
Cholecystectomy	15	0.0	2.8	*	6.7	4.7	*	6.7	5.8	*
Hysterectomy	5	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	931	10.3	9.2	1.6	16.3	14.0	2.0	19.9	17.9	2.1
CONDITIONS:										
Acute Myocardial Infarction	19	42.1	29.0	*	52.6	32.0	*	57.9	35.1	*
Congestive Heart Failure	51	11.8	13.0	6.2	15.7	19.7	7.5	19.6	25.6	8.6
Pneumonia/Influenza	35	22.9	19.9	*	25.7	26.7	*	31.4	31.9	*
Chronic Obstructive Pulmonary Disease	22	9.1	14.6	*	13.6	22.4	*	22.7	28.1	*
Transient Cerebral Ischemia	20	0.0	2.3	*	10.0	5.0	*	15.0	7.9	*
Stroke	28	25.0	18.3	*	42.9	25.7	*	42.9	30.3	*
Hip Fracture	16	0.0	8.4	*	12.5	14.2	*	18.8	17.7	*
Sepsis	5	60.0	35.0	*	60.0	40.8	*	60.0	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	3.4	*	25.0	6.8	*	25.0	10.2	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	7	0.0	6.9	*	14.3	11.8	*	28.6	14.7	*
Open Reduction of Hip Fracture	9	0.0	6.8	*	11.1	12.3	*	11.1	15.8	*
Prostatectomy	36	2.8	1.0	*	5.6	2.4	*	8.3	4.1	*
Cholecystectomy	18	5.6	2.2	*	11.1	3.8	*	11.1	4.9	*
Hysterectomy	9	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SUNBURY COMMUNITY HOSPITAL

350 N 11th St
Sunbury, PA 17801

Medicare Provider Number: 390084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,044	8.8	8.7	0.9	14.0	13.6	1.3	17.1	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	25	20.0	24.8	*	20.0	27.9	*	20.0	31.0	*
Congestive Heart Failure	55	14.5	15.7	5.5	21.8	23.7	7.6	29.1	30.3	7.5
Pneumonia/Influenza	41	17.1	16.2	*	29.3	21.9	*	36.6	26.4	*
Chronic Obstructive Pulmonary Disease	27	3.7	8.6	*	11.1	15.9	*	14.8	22.4	*
Transient Cerebral Ischemia	26	3.8	2.4	*	7.7	5.5	*	11.5	8.7	*
Stroke	27	18.5	21.9	*	22.2	28.5	*	22.2	33.0	*
Hip Fracture	24	12.5	5.6	*	12.5	10.0	*	12.5	13.0	*
Sepsis	16	18.8	27.5	*	25.0	35.9	*	31.3	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.8	*	100.0	13.9	*	100.0	21.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	4.6	*	9.1	8.4	*	9.1	11.0	*
Open Reduction of Hip Fracture	14	14.3	5.0	*	14.3	9.5	*	14.3	12.7	*
Prostatectomy	39	0.0	1.4	*	0.0	2.9	*	2.6	4.5	*
Cholecystectomy	28	0.0	5.4	*	3.6	9.9	*	7.1	12.9	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 165
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 36
Percent of Physicians Board Certified Specialists 58
Medical Residents/Interns 0
Registered Nurses 96
Licensed Practical Nurses 54

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SUNBURY COMMUNITY HOSPITAL

Medicare Provider Number: 390084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,105	7.3	8.6	1.4	11.8	12.9	1.7	15.6	16.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	41	19.5	27.2	*	24.4	31.0	*	26.8	34.6	*
Congestive Heart Failure	53	7.5	16.7	6.6	11.3	25.1	8.3	18.9	32.1	8.7
Pneumonia/Influenza	46	13.0	17.1	*	15.2	22.8	*	21.7	27.3	*
Chronic Obstructive Pulmonary Disease	19	10.5	5.1	*	15.8	9.5	*	15.8	13.5	*
Transient Cerebral Ischemia	31	0.0	2.1	*	0.0	4.7	*	3.2	7.6	*
Stroke	39	20.5	22.7	*	28.2	29.0	*	30.8	33.5	*
Hip Fracture	21	4.8	6.2	*	4.8	11.2	*	9.5	14.4	*
Sepsis	17	11.8	23.5	*	23.5	30.3	*	29.4	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	3.0	*	14.3	6.5	*	28.6	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	4.5	*	11.1	8.8	*	11.1	11.6	*
Open Reduction of Hip Fracture	11	0.0	6.0	*	0.0	11.4	*	9.1	14.9	*
Prostatectomy	41	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
Cholecystectomy	19	5.3	3.8	*	5.3	7.7	*	10.5	10.6	*
Hysterectomy	9	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,094	9.1	8.9	0.9	13.0	13.3	1.2	16.4	16.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	48	27.1	25.4	*	29.2	29.1	*	35.4	32.7	*
Congestive Heart Failure	59	25.4	20.5	6.9	39.0	30.8	8.4	40.7	38.6	6.5
Pneumonia/Influenza	45	11.1	17.2	*	15.6	23.2	*	24.4	28.1	*
Chronic Obstructive Pulmonary Disease	45	4.4	13.1	*	6.7	21.2	*	17.8	27.4	*
Transient Cerebral Ischemia	51	3.9	2.1	3.1	7.8	4.8	3.9	7.8	7.7	3.8
Stroke	44	31.8	22.4	*	36.4	28.9	*	43.2	33.8	*
Hip Fracture	22	4.5	6.4	*	13.6	11.1	*	22.7	14.3	*
Sepsis	10	10.0	35.2	*	10.0	41.0	*	30.0	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	5.3	*	0.0	10.4	*	0.0	15.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.3	*	11.1	8.8	*	22.2	11.0	*
Open Reduction of Hip Fracture	10	0.0	4.8	*	0.0	9.5	*	0.0	13.1	*
Prostatectomy	29	0.0	1.3	*	0.0	3.3	*	0.0	5.5	*
Cholecystectomy	17	0.0	2.1	*	5.9	4.2	*	5.9	5.9	*
Hysterectomy	7	14.3	0.3	*	14.3	0.5	*	14.3	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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SUNBURY
COMMUNITY
HOSPITAL

350 N. ELEVENTH STREET • PO BOX 737 • SUNBURY, PA 17801 • (717) 286-3333

390084

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We have reviewed our Medicare Hospital Mortality Rates and have the following concerns. An institution may be assigned mortalities involving cases where a patient expired following admission at another institution. For example, a minor procedure may have been performed here, and the patient discharged in satisfactory condition. The patient may have been subsequently treated at another facility for a major problem, and expired following that admission. Due to the random pull of admissions, the death may be attributed to the unrelated admission here. A specific example of this would be the patient who had a cholecystectomy here, and at a later date had coronary bypass surgery at another institution. Because of the random pull, that death may be listed under "cholecystectomy" in our statistics.

Another principle issue of concern relates to the very small number of cases reported for Sunbury Community Hospital in each category, which seriously reduces the usefulness of the observed rate as a measure or predictor of the hospital's true mortality rate. According to the Medicare Analysis of Hospital Mortality Rates: 1990, published by the American Hospital Association, "An asterisk appears in the "SD" column if there were no deaths or there were fewer than 50 cases. In these instances, the estimate must be considered uninterpretable, i.e., you cannot know whether there is a real difference between the observed rate and what would be expected for your hospital." In all but two categories we reported significantly fewer than 50 cases, which we believe renders our data uninterpretable.

Sincerely,

John P. Pagana, M.D., Chairman
Quality Assurance/Risk Management

TAYLOR HOSPITAL

East Chester Pike
Ridley Park, PA 19078

Medicare Provider Number: 390167

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,829	9.7	9.8	1.1	14.3	14.8	1.1	18.2	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	55	23.6	25.4	6.0	25.5	28.3	6.5	25.5	31.3	7.6
Congestive Heart Failure	112	14.3	16.4	3.9	22.3	25.0	4.7	26.8	31.9	6.7
Pneumonia/Influenza	79	21.5	18.6	5.5	27.8	25.0	5.8	31.6	29.9	6.2
Chronic Obstructive Pulmonary Disease	47	2.1	9.9	*	6.4	16.6	*	17.0	22.2	*
Transient Cerebral Ischemia	36	2.8	2.5	*	5.6	5.7	*	5.6	8.9	*
Stroke	78	21.8	16.9	4.9	25.6	23.7	4.9	29.5	27.8	5.2
Hip Fracture	39	0.0	7.2	*	5.1	12.9	*	7.7	16.8	*
Sepsis	34	23.5	26.4	*	35.3	34.0	*	44.1	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.0	*	0.0	4.0	*	0.0	6.0	*
Carotid Endarterectomy	14	7.1	1.4	*	14.3	2.6	*	14.3	3.8	*
Hip Replacement/Reconstruction	13	0.0	2.3	*	0.0	4.5	*	0.0	6.5	*
Open Reduction of Hip Fracture	31	0.0	6.4	*	6.5	12.0	*	9.7	15.8	*
Prostatectomy	67	3.0	0.9	3.5	10.4	2.3	3.1	11.9	3.8	3.7
Cholecystectomy	34	0.0	2.2	*	0.0	3.8	*	0.0	4.7	*
Hysterectomy	15	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 203
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 155
Percent of Physicians Board Certified Specialists 68
Medical Residents/Interns 0
Registered Nurses 119
Licensed Practical Nurses 27

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

TAYLOR HOSPITAL

Medicare Provider Number: 390167

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,782	10.3	10.0	0.8	16.2	15.3	1.2	20.5	19.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	49	30.6	26.9	*	32.7	30.0	*	36.7	33.3	*
Congestive Heart Failure	77	20.8	17.4	6.3	32.5	26.7	9.1	41.6	34.0	11.9
Pneumonia/Influenza	62	24.2	20.0	7.2	33.9	27.2	7.6	35.5	32.6	6.6
Chronic Obstructive Pulmonary Disease	37	2.7	10.8	*	8.1	17.5	*	16.2	22.9	*
Transient Cerebral Ischemia	26	0.0	1.9	*	0.0	4.3	*	7.7	6.8	*
Stroke	69	21.7	19.3	5.0	33.3	27.1	7.6	39.1	32.1	8.4
Hip Fracture	40	10.0	8.2	*	15.0	14.7	*	20.0	18.7	*
Sepsis	27	18.5	28.5	*	18.5	36.2	*	29.6	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	8.1	*	20.0	11.9	*	20.0	15.8	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	8	12.5	6.7	*	12.5	13.1	*	25.0	17.6	*
Open Reduction of Hip Fracture	27	7.4	6.9	*	11.1	12.9	*	14.8	16.7	*
Prostatectomy	71	1.4	1.1	1.5	2.8	2.7	2.5	2.8	4.4	3.5
Cholecystectomy	40	2.5	2.3	*	5.0	3.8	*	7.5	4.8	*
Hysterectomy	12	0.0	0.6	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,781	8.0	8.2	1.0	14.3	12.7	0.9	18.8	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	35	42.9	28.3	*	45.7	31.1	*	45.7	34.2	*
Congestive Heart Failure	84	11.9	17.2	8.3	23.8	26.6	8.1	32.1	34.1	5.9
Pneumonia/Influenza	63	25.4	18.5	7.6	34.9	25.5	10.1	41.3	30.7	10.7
Chronic Obstructive Pulmonary Disease	33	6.1	9.3	*	12.1	16.2	*	18.2	21.5	*
Transient Cerebral Ischemia	29	3.4	2.2	*	3.4	4.9	*	3.4	7.6	*
Stroke	78	17.9	20.3	5.2	24.4	26.4	5.8	30.8	31.0	5.3
Hip Fracture	39	5.1	4.9	*	17.9	9.3	*	17.9	12.5	*
Sepsis	14	0.0	30.0	*	42.9	37.5	*	50.0	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.0	*	14.3	4.5	*	14.3	7.0	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.2	*	10.0	3.1	*
Hip Replacement/Reconstruction	9	0.0	3.0	*	0.0	5.7	*	11.1	7.7	*
Open Reduction of Hip Fracture	26	3.8	4.4	*	23.1	8.8	*	23.1	12.0	*
Prostatectomy	52	1.9	1.0	1.9	1.9	2.5	2.4	3.8	4.2	3.6
Cholecystectomy	36	0.0	2.0	*	5.6	3.7	*	8.3	4.8	*
Hysterectomy	18	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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TAYLOR HOSPITAL
A Tradition of Caring
RIDLEY PARK, PENNSYLVANIA 19078-2286
215/595 • 6000

January 11, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

Re: Medicare Provider # 390167

Dear Dr. Wilensky:

In response to your letter of December 6, 1990, we have reviewed the provided mortality statistics on Medicare patients discharged from Taylor Hospital in 1989.

Since 1986, Taylor Hospital's mortality statistics have fallen within the predicted range in all categories. We are pleased that the data for 1989 is consistent with that of previous years' reports. This report enables us to evaluate the effectiveness of our on-going quality assurance mortality review to those patients who died after discharge from our hospital.

Thank you for the opportunity to provide this comment.

Sincerely,

Wm. Michael Tomlinson
President and Chief Executive Officer

WMT/lep/001

TEMPLE UNIVERSITY HOSPITAL

3401 N Broad St
Philadelphia, PA 19140

Medicare Provider Number: 390027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,944	8.1	8.3	0.7	13.5	13.2	0.8	17.6	17.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	45	8.9	20.3	*	15.6	23.7	*	22.2	27.0	*
Congestive Heart Failure	97	6.2	13.4	5.0	12.4	21.2	6.3	16.5	27.6	6.6
Pneumonia/Influenza	47	14.9	17.0	*	23.4	23.6	*	34.0	28.8	*
Chronic Obstructive Pulmonary Disease	40	7.5	9.0	*	20.0	16.1	*	22.5	21.9	*
Transient Cerebral Ischemia	19	5.3	1.3	*	5.3	2.8	*	5.3	4.5	*
Stroke	55	21.8	18.9	6.2	25.5	25.6	6.3	30.9	29.9	6.4
Hip Fracture	22	0.0	6.3	*	0.0	11.9	*	13.6	16.1	*
Sepsis	24	16.7	24.5	*	37.5	35.3	*	45.8	42.9	*
PROCEDURES:										
Angioplasty	22	0.0	3.3	*	4.5	4.3	*	4.5	5.3	*
Coronary Artery Bypass Graft	58	8.6	6.1	3.8	8.6	9.4	4.0	10.3	11.3	4.6
Initial Pacemaker Insertion	6	0.0	3.3	*	16.7	6.7	*	16.7	10.2	*
Carotid Endarterectomy	6	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	24	0.0	2.6	*	0.0	5.3	*	8.3	7.9	*
Open Reduction of Hip Fracture	8	0.0	5.9	*	0.0	11.2	*	0.0	14.8	*
Prostatectomy	39	5.1	1.2	*	10.3	2.7	*	10.3	4.3	*
Cholecystectomy	19	5.3	4.6	*	5.3	9.3	*	15.8	12.9	*
Hysterectomy	10	0.0	2.1	*	0.0	4.1	*	0.0	5.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	436
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	522
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	306
Registered Nurses	428
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

TEMPLE UNIVERSITY HOSPITAL

Medicare Provider Number: 390027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,150	7.8	8.7	0.7	14.1	13.7	1.0	17.4	17.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	48	12.5	20.0	*	18.8	23.4	*	20.8	26.8	*
Congestive Heart Failure	129	7.0	14.5	5.1	21.7	22.7	4.7	27.9	29.4	4.3
Pneumonia/Influenza	41	17.1	17.6	*	24.4	24.1	*	26.8	28.9	*
Chronic Obstructive Pulmonary Disease	38	7.9	9.5	*	10.5	16.0	*	15.8	21.6	*
Transient Cerebral Ischemia	26	0.0	1.7	*	11.5	3.6	*	11.5	5.4	*
Stroke	87	23.0	19.7	5.2	27.6	26.4	5.5	31.0	30.8	5.0
Hip Fracture	28	7.1	6.3	*	21.4	11.3	*	28.6	14.5	*
Sepsis	17	47.1	28.6	*	47.1	37.4	*	64.7	43.3	*
PROCEDURES:										
Angioplasty	31	0.0	3.4	*	3.2	4.1	*	3.2	5.0	*
Coronary Artery Bypass Graft	83	8.4	6.8	3.4	9.6	9.8	4.1	10.8	11.6	4.2
Initial Pacemaker Insertion	7	0.0	11.2	*	14.3	18.2	*	14.3	24.1	*
Carotid Endarterectomy	6	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	25	0.0	2.2	*	0.0	4.0	*	4.0	5.2	*
Open Reduction of Hip Fracture	14	7.1	5.6	*	35.7	10.8	*	42.9	14.5	*
Prostatectomy	56	0.0	0.9	1.6	1.8	2.3	2.7	1.8	3.7	3.5
Cholecystectomy	13	0.0	4.4	*	15.4	6.6	*	15.4	8.0	*
Hysterectomy	11	9.1	1.1	*	9.1	2.5	*	9.1	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,076	8.7	10.0	1.0	14.6	15.2	1.3	18.3	19.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	64	21.9	24.8	6.9	26.6	28.8	7.5	29.7	32.5	8.2
Congestive Heart Failure	112	14.3	16.6	6.6	21.4	25.0	6.3	30.4	31.8	5.0
Pneumonia/Influenza	40	20.0	16.7	*	27.5	22.6	*	35.0	27.3	*
Chronic Obstructive Pulmonary Disease	38	10.5	12.3	*	13.2	19.9	*	18.4	25.6	*
Transient Cerebral Ischemia	17	0.0	1.6	*	0.0	3.4	*	0.0	5.2	*
Stroke	85	11.8	21.4	6.1	20.0	28.1	5.8	29.4	32.4	5.5
Hip Fracture	25	24.0	8.3	*	36.0	13.8	*	40.0	17.2	*
Sepsis	13	53.8	38.6	*	61.5	50.1	*	61.5	57.2	*
PROCEDURES:										
Angioplasty	9	11.1	2.2	*	11.1	3.3	*	11.1	4.6	*
Coronary Artery Bypass Graft	59	10.2	6.6	5.6	13.6	9.4	5.7	13.6	11.2	6.1
Initial Pacemaker Insertion	9	0.0	4.8	*	11.1	9.9	*	11.1	14.4	*
Carotid Endarterectomy	9	0.0	2.1	*	0.0	4.3	*	0.0	6.3	*
Hip Replacement/Reconstruction	22	0.0	5.5	*	9.1	8.6	*	9.1	10.4	*
Open Reduction of Hip Fracture	7	28.6	7.2	*	28.6	12.7	*	42.9	16.2	*
Prostatectomy	39	0.0	1.5	*	5.1	3.2	*	5.1	4.9	*
Cholecystectomy	15	0.0	4.2	*	0.0	7.4	*	6.7	9.2	*
Hysterectomy	4	0.0	2.4	*	25.0	5.2	*	50.0	7.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THOMAS JEFFERSON UNIVERSITY HOSPITAL

11th Walnut St
Philadelphia, PA 19107

Medicare Provider Number: 390174

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,498	5.3	7.6	0.7	10.0	12.5	0.6	13.3	16.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	42	9.5	24.7	*	11.9	28.8	*	11.9	32.2	*
Congestive Heart Failure	95	6.3	15.9	5.2	17.9	24.9	6.3	21.1	32.1	6.7
Pneumonia/Influenza	49	20.4	16.9	*	26.5	22.9	*	30.6	27.4	*
Chronic Obstructive Pulmonary Disease	33	3.0	10.6	*	9.1	16.9	*	18.2	22.5	*
Transient Cerebral Ischemia	42	2.4	1.6	*	2.4	3.6	*	4.8	5.7	*
Stroke	52	11.5	19.2	10.0	19.2	25.9	10.4	23.1	30.2	10.8
Hip Fracture	42	9.5	6.2	*	14.3	11.2	*	16.7	14.5	*
Sepsis	19	26.3	29.3	*	42.1	37.3	*	47.4	43.1	*
PROCEDURES:										
Angioplasty	54	3.7	2.5	2 7	3.7	3.5	3.0	3.7	4.5	3.7
Coronary Artery Bypass Graft	97	7.2	5.5	2.8	8.2	8.5	2.9	10.3	10.5	3.1
Initial Pacemaker Insertion	21	0.0	3.3	*	0.0	5.7	*	0.0	8.1	*
Carotid Endarterectomy	27	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	47	0.0	2.3	*	2.1	4.7	*	4.3	6.7	*
Open Reduction of Hip Fracture	18	11.1	5.4	*	16.7	10.0	*	16.7	13.1	*
Prostatectomy	53	1.9	0.7	1.6	1.9	1.8	1.8	1.9	3.1	2.6
Cholecystectomy	53	3.8	3.6	3.6	5.7	6.5	3.9	5.7	8.6	4.5
Hysterectomy	43	0.0	0.8	*	2.3	1.8	*	2.3	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	679
Occupancy Rate	86
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	937
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	276
Registered Nurses	1,090
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

THOMAS JEFFERSON UNIVERSITY HOSPITAL

Medicare Provider Number: 390174

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,409	6.2	7.9	0.7	11.6	12.9	0.7	15.1	16.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	44	31.8	23.4	*	34.1	27.3	*	36.4	31.1	*
Congestive Heart Failure	99	11.1	16.0	5.7	16.2	24.4	7.4	23.2	31.1	8.3
Pneumonia/Influenza	47	19.1	17.8	*	23.4	24.0	*	27.7	28.6	*
Chronic Obstructive Pulmonary Disease	34	17.6	9.6	*	29.4	16.1	*	32.4	21.3	*
Transient Cerebral Ischemia	50	0.0	1.6	*	2.0	3.3	*	4.0	5.0	*
Stroke	58	8.6	21.7	8.2	15.5	28.7	9.2	19.0	33.4	9.5
Hip Fracture	33	0.0	6.5	*	3.0	11.6	*	6.1	14.9	*
Sepsis	18	33.3	28.8	*	33.3	38.4	*	38.9	44.5	*
PROCEDURES:										
Angioplasty	40	7.5	2.9	*	7.5	3.7	*	7.5	4.6	*
Coronary Artery Bypass Graft	108	6.5	7.5	2.9	10.2	10.3	3.4	10.2	11.9	3.5
Initial Pacemaker Insertion	27	3.7	3.8	*	7.4	7.3	*	11.1	10.4	*
Carotid Endarterectomy	38	2.6	1.5	*	2.6	2.8	*	5.3	4.1	*
Hip Replacement/Reconstruction	52	0.0	2.1	2.6	1.9	4.0	4.0	5.8	5.4	5.7
Open Reduction of Hip Fracture	12	0.0	5.8	*	8.3	11.0	*	8.3	14.5	*
Prostatectomy	60	1.7	0.7	1.8	1.7	1.7	3.7	5.0	2.9	3.5
Cholecystectomy	36	0.0	4.6	*	11.1	9.0	*	13.9	12.4	*
Hysterectomy	32	3.1	1.2	*	6.3	2.3	*	6.3	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,229	5.5	7.9	0.5	9.8	13.1	0.8	14.1	17.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	46	13.0	22.2	*	15.2	25.4	*	15.2	28.6	*
Congestive Heart Failure	90	14.4	16.0	5.1	21.1	24.4	6.0	31.1	31.3	5.2
Pneumonia/Influenza	40	15.0	20.9	*	17.5	28.0	*	22.5	33.0	*
Chronic Obstructive Pulmonary Disease	33	0.0	10.2	*	9.1	17.4	*	27.3	23.2	*
Transient Cerebral Ischemia	42	2.4	1.7	*	9.5	3.4	*	9.5	5.2	*
Stroke	48	12.5	20.8	*	14.6	28.3	*	25.0	32.9	*
Hip Fracture	32	3.1	6.4	*	3.1	11.6	*	6.3	15.1	*
Sepsis	8	25.0	31.1	*	25.0	42.2	*	25.0	50.4	*
PROCEDURES:										
Angioplasty	34	0.0	4.6	*	2.9	5.8	*	5.9	7.3	*
Coronary Artery Bypass Graft	105	8.6	7.2	3.4	10.5	10.5	3.1	12.4	12.3	3.3
Initial Pacemaker Insertion	19	5.3	3.4	*	10.5	7.0	*	15.8	10.5	*
Carotid Endarterectomy	18	0.0	2.0	*	0.0	3.8	*	5.6	5.5	*
Hip Replacement/Reconstruction	40	0.0	3.1	*	5.0	6.4	*	10.0	8.9	*
Open Reduction of Hip Fracture	16	0.0	5.3	*	0.0	10.1	*	0.0	13.4	*
Prostatectomy	64	0.0	0.9	2.3	1.6	2.2	2.5	3.1	3.7	2.7
Cholecystectomy	33	0.0	3.0	*	3.0	6.5	*	6.1	9.5	*
Hysterectomy	36	5.6	2.5	*	8.3	4.0	*	8.3	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Thomas Jefferson University Hospital

Office of the Executive Director

Philadelphia, PA 19107

Medicare provider #390174

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

January 8, 1991

Dear Mrs. Kappert:

Although the mortality rates for Thomas Jefferson University Hospital are below the predicted rates in all categories with statistically significant numbers, our staff will continue to perform ongoing quality reviews to identify ways to improve the care delivered to all patients. Quality has always been our priority, and indepth quality review is critical to maintaining the Jefferson standard of excellence in patient care. We encourage patients who have questions about quality of care to discuss them with their doctors.

While the Health Care Financing Administration's report favorably evaluates Jefferson's performance, it is virtually impossible to draw firm conclusions about quality of care from mortality data. The information in the report can only suggest areas for further review to determine if differences between the predicted and observed results represent opportunities to improve care. At Jefferson, we submit all cases of mortality for individual peer review by other physicians to assure that no opportunities are overlooked.

The Federal Administration itself has acknowledged that mortality rates are not a good measure of relative quality among hospitals. Although the model used to predict mortality rates for this year's report has been greatly improved to consider complicating diagnoses, some important factors which may explain legitimate differences in mortality rates have been ignored. The model still does not consider differences in patients' severity of illness upon admission or their social and economic backgrounds, factors which can complicate their conditions.

This report may be misleading because the number of patients included in most diagnostic and procedure categories are too small for meaningful analyses. The report includes predicted and observed mortality rates, but in more than 70% of the categories, the report indicates that the numbers reported over the three years are "too small to permit satisfactory estimation" of the significance of the observed differences. So even at a large hospital like Jefferson, most of the information provided in the report is not meaningful.

We believe that the public should have access to more valid information about the quality of care. As the Health Care Financing Administration and the healthcare industry refine analytical models, we encourage our patients and their families to continue to turn to their physicians and hospital staff as the best sources of information on the quality of care.

Sincerely,

Thomas J. Lewis
Chief Executive Officer

TITUSVILLE HOSPITAL

406 W Oak St
Titusville, PA 16354

Medicare Provider Number: 390122

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	682	7.8	9.4	1.8	12.6	14.0	2.3	15.8	17.7	3.0
CONDITIONS:										
Acute Myocardial Infarction	21	14.3	34.4	*	28.6	38.2	*	28.6	41.5	*
Congestive Heart Failure	42	9.5	13.7	*	21.4	21.4	*	23.8	27.9	*
Pneumonia/Influenza	66	16.7	16.1	5.0	25.8	22.4	8.2	28.8	27.1	7.4
Chronic Obstructive Pulmonary Disease	25	0.0	9.4	*	0.0	15.8	*	12.0	21.5	*
Transient Cerebral Ischemia	5	0.0	2.3	*	0.0	5.6	*	0.0	9.1	*
Stroke	35	11.4	18.9	*	14.3	24.6	*	17.1	28.9	*
Hip Fracture	12	16.7	7.7	*	33.3	14.1	*	33.3	18.6	*
Sepsis	3	66.7	34.9	*	66.7	45.3	*	66.7	52.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	8.1	*	25.0	14.9	*	25.0	19.7	*
Open Reduction of Hip Fracture	7	14.3	6.6	*	28.6	12.8	*	28.6	17.4	*
Prostatectomy	22	0.0	0.9	*	4.5	2.4	*	9.1	4.2	*
Cholecystectomy	13	0.0	2.3	*	0.0	3.9	*	0.0	5.1	*
Hysterectomy	4	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	99
Occupancy Rate	39
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	75
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TITUSVILLE HOSPITAL

Medicare Provider Number: 390122

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	651	8.9	10.1	1.5	11.8	14.7	2.0	15.7	18.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	27.2	*	31.6	30.8	*	42.1	34.2	*
Congestive Heart Failure	45	22.2	15.7	*	26.7	23.9	*	31.1	30.8	*
Pneumonia/Influenza	48	31.3	19.7	*	33.3	26.6	*	39.6	31.8	*
Chronic Obstructive Pulmonary Disease	26	0.0	9.5	*	0.0	15.9	*	11.5	21.3	*
Transient Cerebral Ischemia	7	0.0	1.4	*	0.0	3.1	*	0.0	5.0	*
Stroke	32	9.4	24.8	*	12.5	30.9	*	21.9	35.7	*
Hip Fracture	10	20.0	5.5	*	20.0	9.9	*	20.0	12.8	*
Sepsis	10	20.0	31.6	*	20.0	39.0	*	30.0	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	20.0	3.2	*	20.0	6.3	*	20.0	8.5	*
Open Reduction of Hip Fracture	4	0.0	5.5	*	0.0	9.8	*	0.0	12.5	*
Prostatectomy	14	0.0	0.9	*	7.1	2.2	*	7.1	3.7	*
Cholecystectomy	16	6.3	2.6	*	6.3	4.6	*	6.3	6.1	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	636	8.0	9.8	1.8	12.6	14.5	2.3	15.4	18.2	2.6
CONDITIONS:										
Acute Myocardial Infarction	16	12.5	33.0	*	18.8	36.7	*	25.0	40.4	*
Congestive Heart Failure	39	17.9	19.0	*	28.2	28.2	*	38.5	35.0	*
Pneumonia/Influenza	51	19.6	19.5	6.1	29.4	26.7	6.7	31.4	32.0	7.0
Chronic Obstructive Pulmonary Disease	40	5.0	13.1	*	7.5	20.7	*	10.0	26.3	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.4	*	0.0	7.0	*
Stroke	28	10.7	23.4	*	17.9	29.7	*	17.9	34.6	*
Hip Fracture	12	0.0	5.5	*	0.0	10.2	*	0.0	13.5	*
Sepsis	4	0.0	26.6	*	0.0	32.5	*	0.0	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.8	*	11.1	12.1	*	11.1	17.2	*
Open Reduction of Hip Fracture	4	0.0	5.1	*	0.0	9.6	*	0.0	12.6	*
Prostatectomy	17	5.9	1.4	*	5.9	3.3	*	5.9	5.1	*
Cholecystectomy	12	8.3	5.6	*	8.3	8.0	*	8.3	9.6	*
Hysterectomy	6	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

TROY COMMUNITY HOSPITAL INC

100 John St
Troy, PA 16947

Medicare Provider Number: 390213

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	176	14.8	9.5	2.7	19.3	15.5	3.2	25.0	20.4	3.5
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	24.6	*	100.0	27.9	*	100.0	31.6	*
Congestive Heart Failure	21	28.6	15.0	*	42.9	23.3	*	57.1	30.0	*
Pneumonia/Influenza	15	26.7	17.4	*	26.7	23.7	*	33.3	28.8	*
Chronic Obstructive Pulmonary Disease	5	20.0	4.9	*	40.0	10.0	*	40.0	14.9	*
Transient Cerebral Ischemia	3	0.0	1.8	*	0.0	4.0	*	0.0	6.5	*
Stroke	4	25.0	18.9	*	25.0	25.2	*	25.0	29.7	*
Hip Fracture	0									
Sepsis	1	0.0	42.7	*	0.0	48.5	*	0.0	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	45
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	12
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	15
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TROY COMMUNITY HOSPITAL INC

Medicare Provider Number: 390213

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	211	12.3	10.9	2.3	17.1	16.5	2.7	20.4	20.8	2.8
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	33.7	*	25.0	37.4	*	75.0	41.5	*
Congestive Heart Failure	18	44.4	17.7	*	50.0	26.8	*	50.0	33.9	*
Pneumonia/Influenza	25	12.0	17.0	*	12.0	23.0	*	24.0	27.5	*
Chronic Obstructive Pulmonary Disease	4	0.0	3.1	*	0.0	6.5	*	0.0	9.5	*
Transient Cerebral Ischemia	3	33.3	2.2	*	33.3	4.9	*	33.3	7.9	*
Stroke	6	16.7	18.7	*	16.7	24.2	*	33.3	28.4	*
Hip Fracture	1	0.0	6.2	*	0.0	10.4	*	0.0	13.8	*
Sepsis	6	0.0	31.0	*	0.0	36.6	*	0.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	245	8.6	10.8	2.7	14.7	16.5	3.3	20.0	20.8	2.9
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	29.6	*	14.3	32.7	*	14.3	36.4	*
Congestive Heart Failure	16	18.8	16.7	*	18.8	25.6	*	25.0	32.9	*
Pneumonia/Influenza	22	0.0	14.7	*	13.6	20.1	*	27.3	24.5	*
Chronic Obstructive Pulmonary Disease	9	0.0	12.2	*	11.1	19.5	*	22.2	24.9	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Stroke	11	27.3	27.5	*	27.3	35.8	*	27.3	41.7	*
Hip Fracture	0									
Sepsis	3	33.3	27.9	*	33.3	37.5	*	66.7	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	1	0.0	12.2	*	0.0	19.7	*	0.0	26.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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GUTHRIE *Troy Community Hospital*

390213

January 11, 1991

Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2 D 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert,

We wish to make the following comments concerning the HCFA Medicare Mortality Analysis:

Accuracy of data used in mortality analysis:

Mortality rate tables list 50 deaths. These were verified.

Factors that may be affecting or biasing the analysis:

The number of deaths in all categories is too few to permit satisfactory estimation of the standard deviation (cases for conditions listed range from 21 down to 1).

Use of information in quality assurance activities:

The information will be analyzed in our hospital's total quality process, and will be included in Medical Staff clinical review.

A brief review of clinical summaries shows 37 cases having Do Not Resuscitate status, and 3 cases with extensive metastatic disease. Of the 10 remaining patients, 7 expired at least one month following discharge.

Sincerely,

Mark A. Webster,
President

Troy Community Hospital
100 John Street
Troy, Pennsylvania 16947
717 297-2121

A member of the Guthrie Healthcare System

TYLER MEMORIAL HOSPITAL

Route 6 Rd 1
Tunkhannock, PA 18657

Medicare Provider Number: 390192

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	679	8.1	9.1	1.4	13.1	13.6	1.6	16.9	17.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	28	10.7	25.9	*	14.3	29.3	*	28.6	32.6	*
Congestive Heart Failure	35	11.4	15.8	*	17.1	24.7	*	20.0	32.0	*
Pneumonia/Influenza	49	22.4	18.3	*	24.5	24.3	*	28.6	29.0	*
Chronic Obstructive Pulmonary Disease	15	0.0	4.2	*	6.7	8.2	*	6.7	12.0	*
Transient Cerebral Ischemia	21	0.0	1.9	*	0.0	4.3	*	4.8	7.0	*
Stroke	19	10.5	15.6	*	15.8	22.7	*	26.3	27.0	*
Hip Fracture	19	5.3	6.6	*	15.8	12.1	*	31.6	16.1	*
Sepsis	7	28.6	28.2	*	42.9	34.4	*	42.9	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	5.3	*	7.1	9.5	*	14.3	13.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	5.7	*	23.1	10.8	*	23.1	14.5	*
Open Reduction of Hip Fracture	7	0.0	5.1	*	0.0	10.0	*	42.9	13.7	*
Prostatectomy	0									
Cholecystectomy	14	0.0	5.7	*	0.0	9.8	*	0.0	12.6	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	89
Occupancy Rate	48
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	70
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TYLER MEMORIAL HOSPITAL

Medicare Provider Number: 390192

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	737	9.6	9.6	1.7	13.3	14.1	2.1	15.2	17.8	2.6
CONDITIONS:										
Acute Myocardial Infarction	33	21.2	27.4	*	21.2	30.3	*	21.2	33.8	*
Congestive Heart Failure	37	10.8	15.1	*	16.2	22.8	*	24.3	29.2	*
Pneumonia/Influenza	62	12.9	20.7	6.6	19.4	27.0	7.2	21.0	31.7	8.7
Chronic Obstructive Pulmonary Disease	25	4.0	5.2	*	4.0	9.5	*	4.0	13.4	*
Transient Cerebral Ischemia	24	0.0	2.1	*	0.0	4.7	*	0.0	7.4	*
Stroke	21	47.6	27.7	*	47.6	34.5	*	57.1	39.5	*
Hip Fracture	18	5.6	5.2	*	11.1	9.6	*	11.1	12.6	*
Sepsis	3	33.3	32.7	*	66.7	37.8	*	66.7	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	6.3	*	25.0	12.2	*	25.0	17.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	3.6	*	22.2	7.3	*	22.2	10.0	*
Open Reduction of Hip Fracture	9	0.0	5.1	*	0.0	9.5	*	0.0	12.4	*
Prostatectomy	0									
Cholecystectomy	10	0.0	1.5	*	0.0	2.6	*	0.0	3.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	697	6.3	9.7	1.5	9.8	14.0	1.8	13.3	17.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	33	24.2	37.1	*	36.4	40.5	*	36.4	44.7	*
Congestive Heart Failure	32	0.0	14.0	*	9.4	21.1	*	12.5	27.1	*
Pneumonia/Influenza	34	17.6	20.0	*	20.6	26.3	*	29.4	31.2	*
Chronic Obstructive Pulmonary Disease	23	4.3	4.4	*	13.0	9.1	*	21.7	13.5	*
Transient Cerebral Ischemia	33	0.0	2.1	*	3.0	4.7	*	6.1	7.5	*
Stroke	28	21.4	25.8	*	25.0	32.7	*	28.6	37.7	*
Hip Fracture	13	7.7	6.4	*	7.7	11.9	*	7.7	15.7	*
Sepsis	8	12.5	41.0	*	25.0	48.2	*	37.5	55.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.5	*	16.7	10.4	*	16.7	13.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	4.3	*	12.5	8.4	*	25.0	11.4	*
Open Reduction of Hip Fracture	6	0.0	6.6	*	0.0	12.9	*	0.0	17.2	*
Prostatectomy	0									
Cholecystectomy	14	0.0	8.7	*	14.3	11.3	*	14.3	13.2	*
Hysterectomy	7	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

TYRONE HOSPITAL

Clay Ave Extension
Tyrone, PA 16686

Medicare Provider Number: 390152

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	435	8.7	7.9	1.5	12.0	11.7	1.6	14.3	14.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	18	55.6	31.1	*	61.1	35.0	*	66.7	38.8	*
Congestive Heart Failure	39	17.9	14.7	*	23.1	22.3	*	25.6	28.8	*
Pneumonia/Influenza	14	14.3	15.7	*	14.3	21.1	*	14.3	25.6	*
Chronic Obstructive Pulmonary Disease	10	10.0	8.6	*	10.0	16.3	*	10.0	22.6	*
Transient Cerebral Ischemia	5	0.0	2.4	*	0.0	6.0	*	0.0	10.0	*
Stroke	6	33.3	21.6	*	33.3	28.7	*	33.3	33.3	*
Hip Fracture	11	9.1	6.6	*	18.2	11.2	*	27.3	14.1	*
Sepsis	1	100.0	31.0	*	100.0	37.1	*	100.0	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.1	*	0.0	4.5	*	0.0	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	4.1	*	9.1	7.4	*	18.2	9.6	*
Open Reduction of Hip Fracture	2	50.0	6.5	*	50.0	10.8	*	50.0	13.3	*
Prostatectomy	12	0.0	1.0	*	0.0	2.4	*	0.0	4.2	*
Cholecystectomy	16	0.0	2.3	*	0.0	3.8	*	0.0	4.8	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	59
Occupancy Rate	44
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	56
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TYRONE HOSPITAL

Medicare Provider Number: 390152

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	428	7.0	7.3	1.3	10.5	11.3	1.6	15.2	14.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	23.9	*	27.3	26.8	*	36.4	30.0	*
Congestive Heart Failure	32	9.4	15.3	*	21.9	23.5	*	25.0	30.4	*
Pneumonia/Influenza	14	14.3	17.2	*	14.3	24.0	*	14.3	29.2	*
Chronic Obstructive Pulmonary Disease	16	0.0	6.8	*	6.3	12.0	*	12.5	16.6	*
Transient Cerebral Ischemia	10	10.0	4.8	*	20.0	11.1	*	30.0	16.8	*
Stroke	12	8.3	15.4	*	8.3	22.4	*	33.3	27.0	*
Hip Fracture	16	18.8	6.7	*	18.8	12.1	*	18.8	15.5	*
Sepsis	6	33.3	39.5	*	66.7	47.6	*	83.3	54.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.4	*	0.0	4.4	*	0.0	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	2.7	*	11.1	5.7	*	11.1	8.2	*
Open Reduction of Hip Fracture	11	9.1	6.7	*	9.1	12.4	*	9.1	16.0	*
Prostatectomy	13	0.0	1.5	*	0.0	3.7	*	7.7	6.0	*
Cholecystectomy	13	0.0	2.3	*	0.0	4.2	*	0.0	5.5	*
Hysterectomy	2	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	424	8.3	6.9	1.7	11.3	10.6	1.9	15.1	13.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	31.7	*	54.5	34.7	*	54.5	38.3	*
Congestive Heart Failure	28	25.0	15.5	*	32.1	23.4	*	35.7	30.2	*
Pneumonia/Influenza	18	11.1	20.1	*	16.7	27.5	*	22.2	33.1	*
Chronic Obstructive Pulmonary Disease	10	10.0	7.7	*	10.0	12.7	*	10.0	16.9	*
Transient Cerebral Ischemia	12	0.0	2.7	*	16.7	6.1	*	25.0	9.6	*
Stroke	16	6.3	21.4	*	12.5	26.9	*	12.5	31.0	*
Hip Fracture	5	0.0	5.8	*	0.0	10.9	*	0.0	14.3	*
Sepsis	2	50.0	23.1	*	100.0	29.0	*	100.0	34.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	5.2	*	25.0	10.2	*	37.5	14.7	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	4	0.0	2.0	*	0.0	4.1	*	0.0	5.7	*
Open Reduction of Hip Fracture	4	0.0	4.9	*	0.0	9.5	*	0.0	12.6	*
Prostatectomy	28	0.0	1.2	*	3.6	2.9	*	7.1	4.7	*
Cholecystectomy	15	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	3	0.0	0.3	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNION CITY MEMORIAL HOSPITAL

130 N Main St
Union City, PA 16438

Medicare Provider Number: 390040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	188	10.6	9.7	3.8	16.5	14.1	3.8	19.7	17.8	4.7
CONDITIONS:										
Acute Myocardial Infarction	6	16.7	22.5	*	16.7	24.7	*	16.7	27.5	*
Congestive Heart Failure	17	11.8	13.3	*	29.4	20.4	*	35.3	26.7	*
Pneumonia/Influenza	19	26.3	16.6	*	26.3	22.5	*	31.6	27.4	*
Chronic Obstructive Pulmonary Disease	10	10.0	8.3	*	10.0	14.6	*	30.0	20.3	*
Transient Cerebral Ischemia	2	0.0	2.1	*	0.0	4.5	*	0.0	7.2	*
Stroke	6	16.7	18.3	*	33.3	24.2	*	33.3	28.8	*
Hip Fracture	2	0.0	6.1	*	0.0	10.3	*	0.0	12.9	*
Sepsis	2	50.0	43.9	*	100.0	55.9	*	100.0	62.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.7	*	0.0	10.1	*	0.0	12.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	0.8	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	2	0.0	3.5	*	0.0	7.6	*	0.0	10.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 35
Occupancy Rate 37
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 8
Percent of Physicians Board Certified Specialists 38
Medical Residents/Interns 0
Registered Nurses 22
Licensed Practical Nurses 2

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

UNION CITY MEMORIAL HOSPITAL

Medicare Provider Number: 390040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	218	13.3	9.6	3.0	17.9	14.3	3.4	21.1	18.2	3.1
CONDITIONS:										
Acute Myocardial Infarction	7	71.4	32.9	*	71.4	36.4	*	71.4	40.3	*
Congestive Heart Failure	17	29.4	14.1	*	35.3	21.7	*	35.3	28.0	*
Pneumonia/Influenza	20	20.0	15.5	*	30.0	20.8	*	40.0	25.2	*
Chronic Obstructive Pulmonary Disease	18	11.1	8.4	*	22.2	14.8	*	27.8	20.4	*
Transient Cerebral Ischemia	7	0.0	2.6	*	14.3	6.0	*	28.6	10.0	*
Stroke	4	25.0	17.4	*	25.0	22.8	*	25.0	26.9	*
Hip Fracture	1	0.0	2.7	*	0.0	4.9	*	0.0	6.7	*
Sepsis	2	100.0	37.1	*	100.0	43.4	*	100.0	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	1.5	*	0.0	3.8	*	0.0	6.4	*
Cholecystectomy	7	14.3	3.8	*	14.3	7.4	*	14.3	9.8	*
Hysterectomy	3	0.0	0.6	*	0.0	1.3	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	253	8.7	8.4	2.0	15.0	12.7	2.8	19.0	16.5	3.9
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	27.3	*	28.6	30.7	*	28.6	34.3	*
Congestive Heart Failure	8	12.5	16.7	*	25.0	25.8	*	37.5	33.6	*
Pneumonia/Influenza	26	11.5	13.5	*	11.5	18.5	*	11.5	22.9	*
Chronic Obstructive Pulmonary Disease	20	10.0	9.8	*	20.0	17.6	*	20.0	23.8	*
Transient Cerebral Ischemia	9	0.0	2.9	*	0.0	6.8	*	0.0	11.2	*
Stroke	9	44.4	18.2	*	55.6	23.9	*	55.6	28.5	*
Hip Fracture	0									
Sepsis	1	100.0	51.7	*	100.0	61.0	*	100.0	67.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	50.0	1.3	*	50.0	3.5	*	50.0	6.4	*
Cholecystectomy	4	0.0	1.8	*	0.0	3.9	*	0.0	5.7	*
Hysterectomy	2	0.0	2.3	*	0.0	5.6	*	0.0	9.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIONTOWN HOSPITAL

500 W Berkley St
Uniontown, PA 15401

Medicare Provider Number: 390041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,880	9.7	10.1	0.8	15.2	15.0	0.8	19.3	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	97	33.0	33.0	4.8	37.1	36.5	4.9	41.2	40.4	5.1
Congestive Heart Failure	177	10.2	16.8	4.4	19.8	26.2	4.4	29.4	33.6	4.0
Pneumonia/Influenza	141	20.6	16.6	4.8	29.1	22.6	5.5	33.3	27.4	6.3
Chronic Obstructive Pulmonary Disease	49	8.2	9.1	*	12.2	15.8	*	16.3	21.3	*
Transient Cerebral Ischemia	53	3.8	2.0	2.2	11.3	4.4	3.7	18.9	7.2	5.5
Stroke	107	27.1	21.3	8.7	33.6	28.1	9.6	37.4	32.9	8.5
Hip Fracture	58	8.6	7.6	6.1	19.0	13.7	6.7	20.7	17.8	5.8
Sepsis	26	34.6	31.1	*	42.3	39.0	*	53.8	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	6.1	*	10.5	10.4	*	10.5	14.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	8.0	4.8	*	12.0	8.6	*	16.0	11.2	*
Open Reduction of Hip Fracture	35	11.4	7.2	*	17.1	13.7	*	17.1	18.3	*
Prostatectomy	140	0.0	0.8	1.0	0.7	2.0	1.6	2.9	3.4	1.8
Cholecystectomy	76	2.6	3.1	2.3	2.6	5.0	3.3	2.6	6.1	3.9
Hysterectomy	15	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	230
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	92
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	235
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

UNIONTOWN HOSPITAL

Medicare Provider Number: 390041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,804	10.3	10.6	0.8	15.2	15.6	0.9	19.3	19.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	111	27.9	30.2	5.6	35.1	33.4	5.5	36.0	37.1	4.9
Congestive Heart Failure	137	20.4	16.7	4.6	31.4	25.6	7.4	40.1	32.6	9.0
Pneumonia/Influenza	136	14.7	18.8	3.9	24.3	25.7	5.4	29.4	31.0	4.0
Chronic Obstructive Pulmonary Disease	52	5.8	9.7	5.9	13.5	16.5	8.7	17.3	22.3	8.1
Transient Cerebral Ischemia	68	2.9	2.0	1.9	4.4	4.3	2.6	7.4	6.8	4.3
Stroke	112	22.3	20.0	4.9	26.8	26.5	4.3	32.1	31.2	4.9
Hip Fracture	56	7.1	8.6	4.4	10.7	14.9	7.2	12.5	18.9	8.4
Sepsis	38	26.3	33.9	*	34.2	41.4	*	34.2	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	16.7	9.9	*	20.8	13.6	*	20.8	16.8	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	14	0.0	3.4	*	0.0	6.0	*	0.0	7.8	*
Open Reduction of Hip Fracture	40	7.5	7.4	*	10.0	13.2	*	10.0	17.0	*
Prostatectomy	125	1.6	0.8	1.1	1.6	2.0	2.2	4.0	3.4	2.5
Cholecystectomy	76	3.9	3.5	2.1	3.9	6.2	3.3	5.3	7.9	4.2
Hysterectomy	18	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,717	11.2	10.4	0.9	15.2	15.3	0.7	19.1	19.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	108	39.8	33.0	6.9	46.3	36.5	8.4	48.1	40.3	8.4
Congestive Heart Failure	149	10.7	17.1	4.4	18.1	25.5	5.1	23.5	32.5	5.9
Pneumonia/Influenza	127	22.0	18.9	5.6	29.9	25.5	7.7	35.4	30.8	7.5
Chronic Obstructive Pulmonary Disease	57	8.8	12.3	5.1	10.5	20.2	7.8	15.8	26.0	9.2
Transient Cerebral Ischemia	53	3.8	2.1	2.4	3.8	4.6	4.3	9.4	7.4	4.6
Stroke	118	28.8	20.0	6.0	33.9	26.8	5.8	36.4	31.5	5.2
Hip Fracture	51	5.9	10.2	6.0	9.8	16.7	9.3	13.7	20.7	8.9
Sepsis	47	25.5	29.6	*	34.0	37.0	*	42.6	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	3.7	4.0	*	3.7	7.5	*	3.7	10.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	6.9	*	10.0	11.9	*	10.0	14.9	*
Open Reduction of Hip Fracture	33	6.1	8.0	*	9.1	14.1	*	12.1	17.9	*
Prostatectomy	91	1.1	1.2	1.2	1.1	3.1	2.4	2.2	5.2	3.4
Cholecystectomy	69	4.3	3.3	3.8	7.2	5.7	3.8	7.2	7.5	4.3
Hysterectomy	18	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNITED COMMUNITY HOSPITAL

Rd 5 Box 5005 Cranberry Rd
Grove City, PA 16127

Medicare Provider Number: 390266

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,054	8.5	10.2	1.3	13.6	15.1	1.4	18.1	19.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	32.5	*	32.3	36.7	*	32.3	40.5	*
Congestive Heart Failure	78	19.2	15.3	4.7	25.6	23.6	6.9	41.0	30.4	7.5
Pneumonia/Influenza	71	14.1	20.3	10.1	22.5	27.0	9.7	28.2	32.2	8.5
Chronic Obstructive Pulmonary Disease	34	5.9	9.5	*	14.7	16.1	*	17.6	21.7	*
Transient Cerebral Ischemia	18	0.0	2.2	*	0.0	4.9	*	0.0	7.8	*
Stroke	34	17.6	22.3	*	26.5	29.0	*	26.5	33.7	*
Hip Fracture	22	9.1	7.7	*	18.2	14.0	*	18.2	18.4	*
Sepsis	2	0.0	27.2	*	0.0	32.3	*	0.0	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.2	*	0.0	4.5	*	0.0	6.8	*
Carotid Endarterectomy	22	0.0	1.3	*	9.1	2.5	*	9.1	3.7	*
Hip Replacement/Reconstruction	12	0.0	5.5	*	0.0	10.7	*	0.0	14.2	*
Open Reduction of Hip Fracture	8	12.5	5.2	*	25.0	9.8	*	25.0	13.1	*
Prostatectomy	36	2.8	1.1	*	2.8	2.6	*	5.6	4.2	*
Cholecystectomy	15	0.0	1.5	*	0.0	2.4	*	6.7	3.1	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 112
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 36
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 0
Registered Nurses 120
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

UNITED COMMUNITY HOSPITAL

Medicare Provider Number: 390266

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,042	9.2	10.9	1.2	14.0	15.8	1.3	17.2	19.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	41	43.9	32.5	*	43.9	35.7	*	43.9	39.5	*
Congestive Heart Failure	53	11.3	18.6	6.9	22.6	28.0	8.8	26.4	35.4	10.3
Pneumonia/Influenza	86	10.5	20.4	6.6	15.1	26.8	7.0	22.1	31.8	6.9
Chronic Obstructive Pulmonary Disease	26	3.8	12.0	*	3.8	20.8	*	11.5	27.6	*
Transient Cerebral Ischemia	18	0.0	2.4	*	0.0	5.1	*	5.6	7.9	*
Stroke	38	18.4	26.1	*	31.6	33.6	*	36.8	38.5	*
Hip Fracture	35	2.9	5.8	*	14.3	11.1	*	17.1	14.8	*
Sepsis	7	14.3	34.3	*	14.3	39.9	*	14.3	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*
Carotid Endarterectomy	22	0.0	1.3	*	9.1	2.5	*	9.1	3.6	*
Hip Replacement/Reconstruction	18	0.0	4.4	*	11.1	9.1	*	11.1	12.6	*
Open Reduction of Hip Fracture	16	6.3	4.9	*	18.8	9.5	*	25.0	12.6	*
Prostatectomy	27	0.0	0.9	*	3.7	2.4	*	7.4	4.2	*
Cholecystectomy	39	0.0	2.0	*	0.0	3.5	*	0.0	4.6	*
Hysterectomy	2	0.0	2.5	*	0.0	5.9	*	0.0	9.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,059	9.3	10.8	1.6	14.0	15.5	1.8	17.3	19.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	49	16.3	30.9	*	18.4	34.0	*	22.4	37.7	*
Congestive Heart Failure	63	19.0	15.9	5.4	28.6	24.7	9.6	38.1	32.0	10.8
Pneumonia/Influenza	64	4.7	17.5	6.7	12.5	23.4	7.5	17.2	28.3	7.0
Chronic Obstructive Pulmonary Disease	22	0.0	11.0	*	4.5	16.9	*	4.5	21.6	*
Transient Cerebral Ischemia	25	8.0	2.5	*	12.0	5.6	*	20.0	8.7	*
Stroke	43	34.9	25.6	*	41.9	32.5	*	41.9	37.2	*
Hip Fracture	28	3.6	7.2	*	3.6	13.4	*	10.7	17.8	*
Sepsis	10	20.0	34.2	*	30.0	42.9	*	30.0	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.3	*	0.0	5.2	*	0.0	8.3	*
Carotid Endarterectomy	22	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	11	0.0	5.4	*	0.0	11.9	*	0.0	17.5	*
Open Reduction of Hip Fracture	16	6.3	6.0	*	6.3	11.9	*	18.8	16.1	*
Prostatectomy	48	0.0	1.6	*	4.2	4.1	*	6.3	6.9	*
Cholecystectomy	21	0.0	2.5	*	0.0	4.2	*	0.0	5.4	*
Hysterectomy	9	0.0	1.3	*	0.0	2.6	*	0.0	4.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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United Community Hospital
102 Cranberry Road Grove City, Pennsylvania 16127-9703 Telephone (412) 458-5442

January 4, 1990
Medicare Provider #390266

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

United Community Hospital would appreciate this opportunity to comment on the 1989 Mortality Data.

In reviewing all the cases of mortality in the study, we found in the cases of congestive heart failure, hip fracture, open reduction of hip fracture, carotid endarterectomy, and hip replacement, these people were all in their 70's, 80's and 90's, and all had many other diseases that affected their conditions. Many of these patients expired 90-180 days after their hospitalization. Cases of death were from many comorbid conditions and terminal conditions unrelated to the diagnosis listed on the study.

United Community Hospital serves predominantly a Medicare population. There is a high incidence of metastatic carcinoma, coronary artery disease, and lung conditions.

In review of these cases, the Utilization Review Committee felt these cases were given quality care.

Sincerely,

Suzanne Grim, R.N., CPQA
Director, Medical Staff Services

SG/kmf

UNIV HOSPITAL REHAB CTR-CHILD & ADULTS

North Market Street
Elizabethtown, PA 17022

Medicare Provider Number: 390276

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 55
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 68
Licensed Practical Nurses 6

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

UNIV HOSPITAL REHAB CTR-CHILD & ADULTS

Medicare Provider Number: 390276

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6	0.0	2.5	*	0.0	5.3	*	0.0	7.5	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1	0.0	0.3	*	0.0	1.0	*	0.0	2.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WARMINSTER GENERAL HOSPITAL

225 Newtown Rd
Warminster, PA 18974

Medicare Provider Number: 390260

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,038	11.5	10.7	1.3	18.1	15.9	1.9	22.5	19.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	43	25.6	22.5	*	30.2	26.5	*	32.6	30.0	*
Congestive Heart Failure	46	10.9	18.2	*	21.7	27.7	*	34.8	35.2	*
Pneumonia/Influenza	44	13.2	18.6	*	25.0	24.9	*	29.5	30.0	*
Chronic Obstructive Pulmonary Disease	27	3.7	8.4	*	7.4	14.8	*	18.5	20.0	*
Transient Cerebral Ischemia	17	5.9	1.9	*	5.9	4.4	*	11.8	7.3	*
Stroke	46	17.4	20.4	*	26.1	27.2	*	30.4	31.7	*
Hip Fracture	23	17.4	6.2	*	21.7	11.5	*	26.1	15.0	*
Sepsis	30	30.0	28.3	*	36.7	37.5	*	43.3	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.0	*	0.0	12.7	*	16.7	19.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	18.2	5.2	*	36.4	10.7	*	36.4	15.2	*
Open Reduction of Hip Fracture	11	18.2	5.3	*	18.2	10.1	*	27.3	13.3	*
Prostatectomy	19	5.3	0.8	*	5.3	2.1	*	5.3	3.8	*
Cholecystectomy	16	6.3	4.4	*	18.8	7.1	*	18.8	8.4	*
Hysterectomy	2	0.0	0.7	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 200
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 155
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 1
Registered Nurses 141
Licensed Practical Nurses 31

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

WARMINSTER GENERAL HOSPITAL

Medicare Provider Number: 390260

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,203	8.6	11.1	1.4	15.1	16.8	1.3	19.9	21.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	46	30.4	32.3	*	39.1	37.0	*	39.1	41.1	*
Congestive Heart Failure	63	6.3	17.4	7.3	14.3	26.1	8.5	20.6	33.2	9.4
Pneumonia/Influenza	55	10.9	18.8	7.5	25.5	24.8	5.9	30.9	29.5	6.6
Chronic Obstructive Pulmonary Disease	32	9.4	9.8	*	12.5	17.0	*	18.8	22.7	*
Transient Cerebral Ischemia	35	0.0	1.9	*	2.9	4.2	*	5.7	6.8	*
Stroke	61	14.8	21.2	6.5	24.6	28.0	6.4	26.2	32.5	6.8
Hip Fracture	34	2.9	7.6	*	8.8	13.6	*	20.6	17.4	*
Sepsis	39	30.8	26.4	*	51.3	34.4	*	53.8	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	4.1	*	14.3	7.7	*	14.3	11.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	4.8	*	9.1	9.2	*	36.4	12.0	*
Open Reduction of Hip Fracture	22	0.0	6.7	*	4.5	12.6	*	9.1	16.4	*
Prostatectomy	19	0.0	2.4	*	0.0	4.6	*	0.0	6.3	*
Cholecystectomy	20	0.0	4.1	*	0.0	7.7	*	0.0	10.1	*
Hysterectomy	3	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,004	11.7	12.2	1.1	18.3	18.2	1.3	22.7	22.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	31.1	*	34.1	36.6	*	40.9	40.5	*
Congestive Heart Failure	79	13.9	16.6	5.2	22.8	24.9	5.1	32.9	31.9	6.3
Pneumonia/Influenza	52	17.3	18.4	5.6	28.8	24.7	6.9	30.8	29.8	6.4
Chronic Obstructive Pulmonary Disease	17	11.8	9.8	*	11.8	16.4	*	23.5	21.7	*
Transient Cerebral Ischemia	34	2.9	1.7	*	2.9	3.7	*	2.9	5.7	*
Stroke	54	18.5	19.9	8.5	22.2	27.9	8.5	29.6	32.8	7.3
Hip Fracture	28	3.6	6.7	*	10.7	12.6	*	10.7	17.0	*
Sepsis	25	40.0	29.7	*	56.0	39.3	*	60.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.9	*	0.0	7.6	*	0.0	10.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	4.8	*	10.0	9.6	*	10.0	13.0	*
Open Reduction of Hip Fracture	16	0.0	5.6	*	6.3	11.2	*	6.3	15.3	*
Prostatectomy	22	0.0	1.8	*	0.0	4.4	*	4.5	7.3	*
Cholecystectomy	14	7.1	2.6	*	7.1	4.5	*	7.1	5.7	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WGH Medical Center
Warminster General Hospital
A Member of United Hospitals, Inc.

225 Newtown Road
Warminster, PA 18974
(215) 441-6600

January 9, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Finance Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

In response to the recently received Medicare Mortality data I would like to offer the following comments.

After careful chart review of the patient deaths included in the 1989 Medicare Hospital Mortality Rates, I should like to point out several factors that are unique to this hospital. Approximately forty-seven (47) percent of the patient deaths occurred in individuals residing in extended care or skilled nursing facilities. Furthermore, approximately seventeen (17) percent of the deaths occurred in patients with known malignant disease either present before the referenced hospitalization or diagnosed during that particular hospitalization.

Since patients may appear in only one of the eight medical categories, how do you determine the increased risk of mortality in those patients admitted with more than one of the eight diagnostic medical categories. In reviewing our data, a substantial percentage of patients share many of the eight medical categories as co-morbidities.

I am uncertain whether your statistical model takes into account the above factors in addition to the mean age of 79.7 years of the patients who died during this referenced year. Our facility by chance is located in an area that is served by a number of extended care facilities and our Medicare hospital population is resultantly skewed.

In a previous telephone conversation, I questioned the significance of the condition and procedure data which in our case yielded statistically insignificant data in every instance. I would like to further emphasize that the inclusion of statistically insignificant data serves only to disseminate misleading information.

Your efforts in trying to enhance our understanding of Medicare patient outcome is well appreciated, and I look forward to your response regarding the above comments.

Sincerely yours,

Frank L. Fumai

Frank L. Fumai
Executive Director

MS/kwr

WARREN GENERAL HOSPITAL

2-12 Crescent Park West
Warren, PA 16365

Medicare Provider Number: 390146

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,083	9.9	10.0	1.4	14.9	14.7	1.9	17.5	18.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	49	14.3	30.1	*	18.4	33.0	*	20.4	36.3	*
Congestive Heart Failure	65	16.9	15.7	5.0	30.8	24.1	8.0	32.3	31.1	6.6
Pneumonia/Influenza	66	9.1	15.4	6.2	18.2	21.0	7.6	19.7	25.4	6.3
Chronic Obstructive Pulmonary Disease	18	11.1	5.5	*	11.1	10.1	*	11.1	14.2	*
Transient Cerebral Ischemia	21	0.0	1.7	*	0.0	3.7	*	4.8	5.8	*
Stroke	46	8.7	17.1	*	13.0	24.3	*	15.2	28.6	*
Hip Fracture	23	8.7	8.4	*	21.7	15.1	*	21.7	19.6	*
Sepsis	36	27.8	31.9	*	33.3	40.2	*	36.1	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.0	*	0.0	4.2	*	0.0	6.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	0.0	4.2	*	5.0	8.6	*	5.0	11.7	*
Open Reduction of Hip Fracture	8	12.5	9.0	*	37.5	16.2	*	37.5	20.5	*
Prostatectomy	61	1.6	1.2	1.4	1.6	2.4	3.5	3.3	3.8	5.0
Cholecystectomy	17	0.0	2.7	*	0.0	4.2	*	0.0	5.0	*
Hysterectomy	7	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	123
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	57
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	154
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WARREN GENERAL HOSPITAL

Medicare Provider Number: 390146

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,227	9.7	9.5	0.9	14.3	14.3	1.0	18.0	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	47	29.8	31.5	*	34.0	34.9	*	34.0	38.4	*
Congestive Heart Failure	77	18.2	15.1	4.9	24.7	22.7	5.1	29.9	29.1	5.2
Pneumonia/Influenza	48	8.3	16.3	*	10.4	22.0	*	16.7	26.4	*
Chronic Obstructive Pulmonary Disease	12	0.0	4.6	*	0.0	8.5	*	0.0	11.9	*
Transient Cerebral Ischemia	25	8.0	2.7	*	12.0	5.9	*	12.0	9.1	*
Stroke	54	18.5	20.2	6.4	25.9	27.1	6.2	29.6	31.6	6.9
Hip Fracture	31	6.5	6.7	*	16.1	11.9	*	22.6	15.3	*
Sepsis	21	42.9	31.1	*	47.6	40.2	*	52.4	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	0.0	2.1	*	4.3	4.1	*	8.7	5.5	*
Open Reduction of Hip Fracture	22	9.1	6.1	*	13.6	11.2	*	13.6	14.5	*
Prostatectomy	53	1.9	0.9	1.6	1.9	2.3	2.1	3.8	3.8	2.6
Cholecystectomy	18	0.0	2.2	*	5.6	3.7	*	11.1	4.6	*
Hysterectomy	12	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,223	9.6	9.9	1.2	15.0	15.0	1.2	19.1	19.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	42.6	32.7	*	48.9	36.6	*	51.1	40.2	*
Congestive Heart Failure	90	21.1	17.0	7.6	30.0	25.5	8.4	36.7	32.5	6.4
Pneumonia/Influenza	48	10.4	13.3	*	14.6	18.3	*	18.7	22.5	*
Chronic Obstructive Pulmonary Disease	18	0.0	6.9	*	5.6	12.2	*	5.6	16.8	*
Transient Cerebral Ischemia	28	0.0	1.9	*	3.6	4.1	*	10.7	6.6	*
Stroke	45	15.6	19.6	*	26.7	27.4	*	37.8	32.2	*
Hip Fracture	32	3.1	6.8	*	6.3	12.1	*	12.5	15.9	*
Sepsis	40	15.0	28.4	*	25.0	35.1	*	30.0	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	4.2	2.8	*	4.2	5.3	*	4.2	7.2	*
Open Reduction of Hip Fracture	17	0.0	7.2	*	5.9	13.5	*	17.6	17.8	*
Prostatectomy	62	1.6	1.1	1.6	6.5	2.9	2.6	9.7	5.0	4.0
Cholecystectomy	14	0.0	3.4	*	0.0	6.0	*	7.1	8.1	*
Hysterectomy	9	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WASHINGTON HOSPITAL

155 Wilson Avenue
Washington, PA 15301

Medicare Provider Number: 390042

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,307	9.7	9.3	0.6	14.3	14.5	0.7	17.6	18.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	90	18.9	26.6	6.5	24.4	30.4	7.6	26.7	34.0	7.4
Congestive Heart Failure	160	16.9	16.0	3.0	25.6	25.2	4.3	34.4	32.5	4.3
Pneumonia/Influenza	226	13.7	17.7	4.1	19.9	24.2	4.2	26.5	29.2	3.5
Chronic Obstructive Pulmonary Disease	94	9.6	8.0	3.4	13.8	14.0	3.6	17.0	19.3	4.9
Transient Cerebral Ischemia	58	3.4	2.3	2.4	5.2	5.3	3.7	6.9	8.5	5.0
Stroke	116	20.7	20.1	3.7	25.0	27.3	4.7	26.7	31.8	5.2
Hip Fracture	67	7.5	7.1	3.2	9.0	12.6	5.4	11.9	16.2	7.2
Sepsis	17	35.3	34.9	*	35.3	44.4	*	47.1	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	4.5	*	8.7	8.1	*	8.7	11.3	*
Carotid Endarterectomy	13	7.7	2.3	*	7.7	5.0	*	7.7	7.5	*
Hip Replacement/Reconstruction	59	3.4	3.8	2.5	5.1	6.8	3.6	8.5	8.9	3.9
Open Reduction of Hip Fracture	27	7.4	6.6	*	7.4	12.3	*	11.1	16.2	*
Prostatectomy	65	0.0	1.0	2.4	4.6	2.5	3.1	7.7	4.2	4.6
Cholecystectomy	47	4.3	3.8	*	6.4	6.0	*	10.6	7.7	*
Hysterectomy	27	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	298
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	158
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	18
Registered Nurses	290
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WASHINGTON HOSPITAL

Medicare Provider Number: 390042

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,580	9.8	9.3	0.7	14.8	14.4	0.7	18.4	18.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	102	32.4	28.2	6.5	37.3	31.6	6.3	40.2	35.1	6.3
Congestive Heart Failure	208	17.8	15.6	3.1	26.0	23.9	4.3	32.7	30.7	3.9
Pneumonia/Influenza	201	15.4	18.7	3.6	20.4	25.2	4.9	24.9	30.3	5.8
Chronic Obstructive Pulmonary Disease	100	9.0	8.5	4.3	12.0	14.6	4.9	16.0	19.9	5.9
Transient Cerebral Ischemia	78	1.3	2.3	2.0	3.8	5.1	3.1	5.1	8.1	5.1
Stroke	124	13.7	17.7	4.4	18.5	24.6	5.3	21.8	29.1	6.6
Hip Fracture	75	9.3	7.1	4.5	14.7	13.0	4.1	16.0	17.0	4.6
Sepsis	37	21.6	33.1	*	37.8	43.1	*	48.6	50.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	7.9	*	4.8	11.5	*	4.8	14.9	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.7	*	0.0	5.5	*
Hip Replacement/Reconstruction	47	8.5	3.4	*	14.9	6.6	*	14.9	8.9	*
Open Reduction of Hip Fracture	39	10.3	6.5	*	15.4	12.5	*	15.4	16.7	*
Prostatectomy	68	0.0	1.7	2.1	4.4	4.0	2.6	5.9	6.6	3.1
Cholecystectomy	68	4.4	2.9	2.5	7.4	5.0	3.3	7.4	6.5	3.1
Hysterectomy	23	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	O3S	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,564	9.6	9.4	0.5	14.4	14.6	0.7	18.3	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	117	26.5	26.6	5.2	30.8	30.0	5.0	34.2	33.5	5.0
Congestive Heart Failure	205	14.6	15.1	2.6	23.9	23.1	3.0	28.8	30.0	3.5
Pneumonia/Influenza	209	17.7	18.6	3.5	26.8	25.3	4.4	31.6	30.6	4.7
Chronic Obstructive Pulmonary Disease	98	7.1	11.4	4.4	15.3	19.0	5.8	17.3	24.8	7.4
Transient Cerebral Ischemia	62	1.6	2.1	2.6	1.6	4.6	4.8	3.2	7.3	6.9
Stroke	111	12.6	18.1	4.7	18.9	25.4	5.8	20.7	30.0	7.3
Hip Fracture	81	11.1	7.3	5.3	13.6	13.1	4.5	18.5	17.2	4.8
Sepsis	35	22.9	33.2	*	37.1	41.9	*	42.9	48.8	*
PROCEDURES:										
Angioplasty	1	0.0	2.7	*	0.0	4.5	*	0.0	5.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	3.1	5.0	*	9.4	9.8	*	12.5	14.1	*
Carotid Endarterectomy	8	12.5	1.6	*	12.5	3.2	*	12.5	4.8	*
Hip Replacement/Reconstruction	49	2.0	4.8	*	4.1	9.0	*	4.1	12.0	*
Open Reduction of Hip Fracture	34	11.8	6.4	*	14.7	12.5	*	17.6	17.0	*
Prostatectomy	78	0.0	1.2	1.6	0.0	2.9	3.0	2.6	4.8	3.1
Cholecystectomy	51	2.0	2.4	2.9	2.0	4.1	3.8	2.0	5.4	4.5
Hysterectomy	24	8.3	0.5	*	8.3	1.1	*	16.7	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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THE WASHINGTON HOSPITAL

435.2
155 Wilson Avenue
Washington, PA 15301
412-225-7000
FAX: 412-222-7316

TRADITIONAL VALUES FOR TODAY'S TIMES

January 11, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The Washington Hospital has reviewed the Medicare Hospital Mortality statistics for Federal fiscal years 1989, 1988 and 1987.

In every category, whether it be "conditions" or "procedures", and at every time frame, we were not statistically significant at the 75%, 95% or 99% confidence levels. This is also true for the recalculated FY '88 and FY '87 statistics. Our experience was not different from what was expected in terms of mortality rates, and no patterns have been identified in the data.

We verified a sample of the deaths listed by auditing the medical record and calling physicians' offices to confirm that the patient had expired. We found no discrepancies in that sample. We ascertained that the majority (+80%) of the deaths attributed to The Washington Hospital were patients older than 70 years, and that 74% of those who died had "Do Not Resuscitate" orders.

Evaluation of the process of care is the basis of our quality assurance plan. This includes review of all in-house mortalities. We support efforts to share health care statistics with our consumers. However, HCFA's mortality rates fail to address factors such as severity of illness and they do not measure the quality of care that is delivered in the hospital setting.

Very truly yours,

E. L. Strosser
President

ELS:JAM/mc

WAYNE MEMORIAL HOSPITAL

601 Park Street
Honesdale, PA 18431

Medicare Provider Number: 390125

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	925	9.1	10.6	1.8	16.0	15.6	2.1	19.2	19.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	56	17.9	24.8	6.9	30.4	28.4	9.1	30.4	31.9	6.3
Congestive Heart Failure	64	15.6	13.9	5.2	26.6	21.4	6.8	32.8	28.0	7.6
Pneumonia/Influenza	52	7.7	16.0	9.5	21.2	21.8	7.4	25.0	26.5	7.7
Chronic Obstructive Pulmonary Disease	11	27.3	11.6	*	27.3	19.6	*	36.4	26.4	*
Transient Cerebral Ischemia	12	0.0	2.2	*	8.3	4.9	*	16.7	7.9	*
Stroke	45	8.9	21.4	*	15.6	27.8	*	20.0	32.2	*
Hip Fracture	36	0.0	5.5	*	5.6	10.1	*	8.3	13.3	*
Sepsis	11	18.2	21.6	*	18.2	29.1	*	27.3	35.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.9	*	50.0	6.4	*	50.0	10.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	0.0	3.3	*	4.3	6.2	*	4.3	8.4	*
Open Reduction of Hip Fracture	14	0.0	5.4	*	14.3	10.5	*	21.4	14.1	*
Prostatectomy	15	0.0	1.7	*	6.7	4.2	*	6.7	7.0	*
Cholecystectomy	14	0.0	3.3	*	0.0	6.2	*	7.1	8.2	*
Hysterectomy	3	0.0	1.7	*	0.0	3.8	*	0.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 119
Occupancy Rate 80
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 41
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 111
Licensed Practical Nurses 13

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WAYNE MEMORIAL HOSPITAL

Medicare Provider Number: 390125

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,046	11.0	9.6	1.3	15.8	14.4	1.3	19.3	18.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	38	31.6	23.9	*	34.2	26.7	*	36.8	29.8	*
Congestive Heart Failure	57	15.8	16.0	4.9	29.8	23.8	9.9	38.6	30.2	10.3
Pneumonia/Influenza	54	14.8	15.4	5.2	14.8	20.8	7.2	18.5	25.3	8.8
Chronic Obstructive Pulmonary Disease	13	7.7	8.6	*	7.7	14.5	*	7.7	19.4	*
Transient Cerebral Ischemia	15	0.0	2.7	*	0.0	6.0	*	6.7	9.6	*
Stroke	67	25.4	19.0	9.0	31.3	26.0	11.0	35.8	30.5	11.6
Hip Fracture	33	0.0	5.8	*	9.1	10.7	*	12.1	14.1	*
Sepsis	11	27.3	18.2	*	27.3	25.4	*	36.4	31.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	2.9	*	11.1	5.4	*	11.1	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	0.0	3.2	*	5.0	6.2	*	10.0	8.2	*
Open Reduction of Hip Fracture	17	0.0	4.6	*	5.9	9.0	*	5.9	12.2	*
Prostatectomy	22	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	19	10.5	2.1	*	10.5	3.9	*	10.5	5.0	*
Hysterectomy	6	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	869	10.5	10.3	1.4	14.5	15.3	1.6	18.8	19.1	1.5
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	24.9	*	37.8	28.9	*	40.5	32.7	*
Congestive Heart Failure	54	7.4	14.7	5.9	13.0	21.8	7.7	14.8	28.2	9.2
Pneumonia/Influenza	36	22.2	18.0	*	27.8	24.5	*	38.9	29.4	*
Chronic Obstructive Pulmonary Disease	13	23.1	12.3	*	30.8	18.7	*	30.8	23.8	*
Transient Cerebral Ischemia	12	0.0	2.0	*	8.3	4.6	*	8.3	7.3	*
Stroke	46	15.2	19.8	*	21.7	26.8	*	26.1	31.3	*
Hip Fracture	23	4.3	5.8	*	4.3	10.6	*	4.3	14.0	*
Sepsis	12	16.7	23.9	*	25.0	29.8	*	25.0	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.5	*	0.0	3.1	*	0.0	4.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	3.2	*	0.0	6.2	*	0.0	8.4	*
Open Reduction of Hip Fracture	13	7.7	5.0	*	7.7	9.9	*	7.7	13.3	*
Prostatectomy	26	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	5	0.0	1.8	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	4	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WAYNESBORO HOSPITAL

E Main St
Waynesboro, PA 17268

Medicare Provider Number: 390138

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	766	11.1	8.9	1.4	15.9	13.4	1.6	20.5	17.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	48.4	22.2	*	51.6	25.7	*	54.8	29.2	*
Congestive Heart Failure	53	11.3	14.5	5.3	18.9	22.8	7.8	20.8	29.4	9.6
Pneumonia/Influenza	33	12.1	15.7	*	18.2	22.2	*	30.3	26.7	*
Chronic Obstructive Pulmonary Disease	12	0.0	3.8	*	0.0	6.9	*	8.3	9.7	*
Transient Cerebral Ischemia	12	0.0	1.0	*	8.3	2.3	*	16.7	3.5	*
Stroke	30	23.3	18.3	*	33.3	25.2	*	36.7	29.8	*
Hip Fracture	15	0.0	3.2	*	6.7	6.2	*	13.3	8.5	*
Sepsis	18	22.2	26.5	*	38.9	33.4	*	44.4	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.2	*	0.0	5.5	*	11.1	7.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	0.7	*	0.0	1.5	*	0.0	2.1	*
Open Reduction of Hip Fracture	11	0.0	2.6	*	9.1	5.3	*	18.2	7.3	*
Prostatectomy	30	0.0	0.5	*	6.7	1.2	*	6.7	2.1	*
Cholecystectomy	30	3.3	1.4	*	6.7	2.6	*	10.0	3.4	*
Hysterectomy	11	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	48
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	72
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WAYNESBORO HOSPITAL

Medicare Provider Number: 390138

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	847	10.3	8.0	1.3	14.9	12.0	1.4	18.4	15.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	29	51.7	27.0	*	51.7	30.4	*	55.2	34.2	*
Congestive Heart Failure	51	7.8	15.1	7.1	15.7	23.0	8.6	23.5	29.9	8.2
Pneumonia/Influenza	31	12.9	13.8	*	25.8	19.3	*	25.8	23.8	*
Chronic Obstructive Pulmonary Disease	10	0.0	4.5	*	0.0	7.7	*	0.0	10.5	*
Transient Cerebral Ischemia	8	0.0	2.3	*	25.0	5.2	*	25.0	8.1	*
Stroke	34	20.6	19.7	*	23.5	26.6	*	26.5	31.7	*
Hip Fracture	29	6 9	4.0	*	20.7	8.0	*	20.7	10.8	*
Sepsis	14	14.3	21.0	*	14.3	27.5	*	21.4	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.3	*	0.0	4.4	*	16.7	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	1.9	*	14.3	3.9	*	14.3	5.6	*
Open Reduction of Hip Fracture	13	0.0	4.4	*	15.4	9.1	*	15.4	12.4	*
Prostatectomy	50	0.0	0.9	*	0.0	2.3	*	4.0	4.0	*
Cholecystectomy	32	0.0	1.6	*	3.1	3.2	*	6.3	4.6	*
Hysterectomy	7	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	785	12.5	9.1	1.4	17.5	13.6	1.5	20.6	17.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	36	33.3	32.4	*	38.9	36.0	*	41.7	39.5	*
Congestive Heart Failure	44	9.1	16.4	*	29.5	24.8	*	34.1	31.6	*
Pneumonia/Influenza	36	19.4	17.3	*	22.2	24.0	*	27.8	29.0	*
Chronic Obstructive Pulmonary Disease	20	20.0	5.3	*	25.0	10.3	*	30.0	14.6	*
Transient Cerebral Ischemia	8	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	23	21.7	19.3	*	34.8	24.5	*	34.8	28.4	*
Hip Fracture	38	18.4	3.9	*	26.3	7.5	*	28.9	10.0	*
Sepsis	19	5.3	23.7	*	5.3	30.7	*	5.3	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.1	*	0.0	9.0	*	0.0	13.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	18.2	3.0	*	27.3	6.2	*	31.8	8.6	*
Open Reduction of Hip Fracture	21	14.3	3.3	*	19.0	6.6	*	19.0	8.9	*
Prostatectomy	45	4.4	0.8	*	6.7	1.9	*	11.1	3.3	*
Cholecystectomy	30	3.3	1.6	*	3.3	3.0	*	6.7	4.2	*
Hysterectomy	10	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WESTERN PENNSYLVANIA HOSPITAL

4800 Friendship Ave
Pittsburgh, PA 15224

Medicare Provider Number: 390090

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,333	8.1	9.1	0.7	13.6	14.1	0.7	17.9	18.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	85	24.7	26.7	7.9	28.2	31.2	6.4	35.3	35.2	5.6
Congestive Heart Failure	138	13.8	15.8	4.4	22.5	24.5	5.1	29.7	31.6	5.8
Pneumonia/Influenza	104	14.4	20.3	6.7	24.0	27.8	6.2	31.7	33.2	4.8
Chronic Obstructive Pulmonary Disease	13	7.7	6.7	*	7.7	12.1	*	15.4	17.1	*
Transient Cerebral Ischemia	53	0.0	1.8	3.2	3.8	4.0	4.0	9.4	6.3	4.7
Stroke	105	13.3	21.0	7.1	20.0	28.1	7.3	25.7	32.6	7.3
Hip Fracture	48	4.2	8.4	*	12.5	14.8	*	22.9	18.9	*
Sepsis	26	38.5	30.0	*	46.2	39.7	*	50.0	46.4	*
PROCEDURES:										
Angioplasty	84	0.0	2.6	*	0.0	3.5	*	0.0	4.5	*
Coronary Artery Bypass Graft	194	8.8	5.2	2.9	12.9	7.6	3.0	14.4	9.1	3.1
Initial Pacemaker Insertion	41	4.9	3.8	*	12.2	7.2	*	14.6	10.2	*
Carotid Endarterectomy	17	0.0	1.1	*	5.9	2.0	*	5.9	2.9	*
Hip Replacement/Reconstruction	26	0.0	3.4	*	3.8	6.6	*	15.4	9.0	*
Open Reduction of Hip Fracture	28	0.0	8.7	*	14.3	15.9	*	17.9	20.4	*
Prostatectomy	57	0.0	1.5	2.8	3.5	3.8	2.6	5.3	6.2	3.3
Cholecystectomy	31	3.2	2.7	*	6.5	4.7	*	9.7	6.3	*
Hysterectomy	27	3.7	0.6	*	7.4	1.4	*	7.4	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 453
Occupancy Rate 83
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 366
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 90
Registered Nurses 693
Licensed Practical Nurses 23

SPECIALTY SERVICES:

Burn Unit ..... Yes
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WESTERN PENNSYLVANIA HOSPITAL

Medicare Provider Number: 390090

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,462	7.6	9.2	0.6	12.9	14.3	0.8	16.9	18.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	85	17.6	23.7	8.5	23.5	27.6	7.9	25.9	31.5	8.2
Congestive Heart Failure	121	14.0	17.8	5.9	24.0	26.8	7.0	32.2	34.0	5.2
Pneumonia/Influenza	92	21.7	19.8	4.4	31.5	27.1	5.8	37.0	32.5	7.4
Chronic Obstructive Pulmonary Disease	26	0.0	7.5	*	3.8	13.5	*	7.7	18.7	*
Transient Cerebral Ischemia	62	0.0	1.7	3.1	4.8	3.8	3.2	9.7	6.2	4.4
Stroke	109	16.5	22.0	6.2	23.9	29.2	6.7	32.1	33.7	5.1
Hip Fracture	43	4.7	8.3	*	11.6	14.5	*	20.9	18.1	*
Sepsis	13	23.1	29.2	*	53.8	38.3	*	61.5	44.4	*
PROCEDURES:										
Angioplasty	55	0.0	2.4	*	0.0	3.6	*	0.0	4.9	*
Coronary Artery Bypass Graft	187	6.4	6.5	2.7	9.1	9.3	2.5	10.2	11.0	2.9
Initial Pacemaker Insertion	29	6.9	7.9	*	17.2	10.9	*	17.2	13.5	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	31	3.2	4.9	*	3.2	8.8	*	6.5	11.1	*
Open Reduction of Hip Fracture	27	3.7	7.5	*	11.1	13.8	*	25.9	17.7	*
Prostatectomy	90	3.3	1.2	2.1	4.4	2.9	2.3	4.4	4.8	2.7
Cholecystectomy	48	8.3	5.4	*	10.4	9.0	*	12.5	11.1	*
Hysterectomy	28	0.0	0.7	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,448	8.0	9.5	0.7	13.2	14.7	0.8	17.4	18.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	90	22.2	28.5	7.9	28.9	32.0	7.2	32.2	35.3	5.7
Congestive Heart Failure	153	19.6	17.7	4.7	32.7	26.6	8.4	36.6	33.7	6.5
Pneumonia/Influenza	65	16.9	17.4	5.8	24.6	23.9	6.5	30.8	28.5	9.4
Chronic Obstructive Pulmonary Disease	54	11.1	9.3	6.2	13.0	16.1	6.0	18.5	21.7	7.7
Transient Cerebral Ischemia	45	0.0	1.7	*	6.7	3.5	*	11.1	5.3	*
Stroke	115	18.3	24.1	6.2	26.1	32.0	5.5	31.3	36.9	5.7
Hip Fracture	53	13.2	7.9	4.8	15.1	14.2	5.0	17.0	18.2	5.4
Sepsis	24	29.2	26.2	*	37.5	35.9	*	45.8	42.5	*
PROCEDURES:										
Angioplasty	26	0.0	3.8	*	0.0	4.9	*	0.0	6.1	*
Coronary Artery Bypass Graft	147	9.5	5.9	3.9	10.2	8.0	3.6	11.6	9.2	4.0
Initial Pacemaker Insertion	38	0.0	2.8	*	5.3	6.0	*	7.9	8.9	*
Carotid Endarterectomy	31	0.0	1.6	*	3.2	3.0	*	6.5	4.4	*
Hip Replacement/Reconstruction	30	0.0	4.1	*	0.0	7.8	*	3.3	10.3	*
Open Reduction of Hip Fracture	26	19.2	7.2	*	19.2	13.9	*	19.2	18.3	*
Prostatectomy	79	2.5	1.2	1.7	3.8	2.9	2.1	3.8	4.8	3.1
Cholecystectomy	35	0.0	3.7	*	2.9	5.9	*	2.9	7.4	*
Hysterectomy	23	4.3	0.8	*	4.3	1.7	*	4.3	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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4800 Friendship Avenue
Pittsburgh, PA 15224
(412) 578-5000

WEST PENN
HOSPITAL

ID# 390090



Friends for Life.®

uary 11, 1991

The following is submitted in response to the HCFA mortality data. The majority of cases represented in these data included combined multiprocedural operative cases and extremely elderly patients with a high severity index. Our Quality Assurance team reviews all mortality and morbidity cases on an ongoing basis. Their review indicated that these were atypical cases, and the following data is provided for further clarity.

1)	76 years and older	28.5%
2)	Associated valve surgery	14.0%
3)	Average vessels grafted	3.2
4)	Recent infarction <3 wks	22.2%
5)	Average ejection fraction	36.6%
6)	Female	63.0%
7)	Unstable angina	59.3%
8)	Prior open heart surgery	18.5%
9)	Average LVEDP	25.3mm Hg
10)	Urgency (3 or 4)*	25.9%
11)	IABP (Preoperative)	11.1%
12)	Left main	22.2%
13)	Congestive heart failure	48.1%

*3 = Emergency
4 = Desparate

WESTMORELAND HOSPITAL ASSOCICATION

532 W Pittsburgh St
Greensburg, PA 15601

Medicare Provider Number: 390145

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,290	8.0	9.7	0.6	13.3	15.2	0.7	16.9	19.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	91	28.6	27.1	4.8	34.1	31.1	5.7	37.4	34.7	5.9
Congestive Heart Failure	215	8.8	16.7	3.2	20.0	25.7	4.0	23.3	32.7	4.1
Pneumonia/Influenza	119	21.0	19.9	4.1	27.7	26.6	6.3	35.3	31.6	8.8
Chronic Obstructive Pulmonary Disease	39	7.7	8.4	*	20.5	14.9	*	25.6	20.6	*
Transient Cerebral Ischemia	56	0.0	2.1	2.5	0.0	4.8	4.4	1.8	7.6	5.0
Stroke	120	21.7	26.0	5.4	30.8	32.8	5.9	32.5	37.6	7.3
Hip Fracture	75	8.0	7.9	3.3	10.7	13.7	5.1	10.7	17.5	6.8
Sepsis	54	20.4	23.9	8.4	27.8	32.8	10.4	31.5	39.0	11.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.5	*	6.3	8.6	*	6.3	12.1	*
Carotid Endarterectomy	7	14.3	1.4	*	14.3	2.5	*	14.3	3.7	*
Hip Replacement/Reconstruction	51	3.9	5.0	4.5	5.9	9.0	6.5	5.9	11.8	7.1
Open Reduction of Hip Fracture	38	5.3	6.4	*	7.9	11.8	*	7.9	15.5	*
Prostatectomy	84	0.0	1.0	1.6	0.0	2.5	3.1	3.6	4.1	2.4
Cholecystectomy	63	3.2	3.3	2.3	9.5	5.8	4.2	9.5	7.7	4.2
Hysterectomy	13	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 341
Occupancy Rate 80
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 162
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 344
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WESTMORELAND HOSPITAL ASSOCICATION

Medicare Provider Number: 390145

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,492	7.5	10.3	0.6	12.0	15.9	0.7	15.8	20.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	126	33.3	28.3	7.3	35.7	32.3	8.3	40.5	36.0	8.6
Congestive Heart Failure	239	12.6	18.6	3.0	15.9	28.2	4.2	22.2	35.5	4.4
Pneumonia/Influenza	111	14.4	21.0	6.1	18.9	28.2	7.4	26.1	33.4	7.2
Chronic Obstructive Pulmonary Disease	34	0.0	7.0	*	5.9	13.9	*	11.8	20.0	*
Transient Cerebral Ischemia	78	2.6	2.0	1.6	3.8	4.6	2.4	3.8	7.2	3.9
Stroke	116	12.1	25.4	6.0	23.3	32.9	6.2	30.2	38.0	5.3
Hip Fracture	44	4.5	8.2	*	18.2	14.8	*	20.5	18.8	*
Sepsis	45	20.0	27.2	*	24.4	36.6	*	31.1	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.4	*	0.0	10.2	*	0.0	14.5	*
Carotid Endarterectomy	11	0.0	2.6	*	0.0	5.0	*	0.0	7.3	*
Hip Replacement/Reconstruction	42	0.0	4.8	*	7.1	9.2	*	9.5	12.2	*
Open Reduction of Hip Fracture	22	9.1	6.5	*	22.7	12.2	*	22.7	15.9	*
Prostatectomy	93	1.1	1.6	1.8	2.2	4.0	3.4	2.2	6.5	4.6
Cholecystectomy	73	1.4	2.9	2.3	6.8	4.9	3.0	8.2	6.3	3.6
Hysterectomy	23	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,378	6.8	9.5	0.7	12.0	14.7	0.7	15.7	18.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	102	21.6	33.3	5.9	34.3	37.2	7.0	38.2	40.9	4.9
Congestive Heart Failure	220	12.3	17.9	3.6	19.5	26.4	4.6	25.5	33.2	4.7
Pneumonia/Influenza	98	19.4	21.1	4.7	23.5	27.8	6.1	27.6	32.9	8.3
Chronic Obstructive Pulmonary Disease	38	7.9	7.5	*	10.5	13.5	*	21.1	18.3	*
Transient Cerebral Ischemia	78	1.3	2.3	1.9	3.8	5.1	2.8	5.1	8.1	3.7
Stroke	108	18.5	22.9	6.9	24.1	29.8	6.2	26.9	34.5	7.0
Hip Fracture	59	3.4	7.6	6.3	10.2	13.2	8.9	11.9	16.9	9.0
Sepsis	34	14.7	28.6	*	29.4	38.3	*	32.4	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	4.4	*	11.8	8.2	*	17.6	11.3	*
Carotid Endarterectomy	9	0.0	2.1	*	0.0	4.1	*	0.0	5.8	*
Hip Replacement/Reconstruction	53	1.9	3.7	3.5	1.9	6.8	5.1	3.8	9.1	5.9
Open Reduction of Hip Fracture	31	0.0	7.0	*	9.7	12.7	*	9.7	16.5	*
Prostatectomy	68	1.5	1.5	1.5	2.9	3.5	2.3	5.9	5.5	2.8
Cholecystectomy	65	1.5	4.3	3.9	3.1	7.1	5.3	4.6	8.9	5.8
Hysterectomy	17	0.0	2.7	*	0.0	4.2	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WESTMORELAND-MC GINNIS HOSPITAL

221 West Main St
Ligonier, PA 15658

Medicare Provider Number: 390252

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	27	3.7	4.0	*	7.4	7.6	*	7.4	11.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	16.3	*	0.0	25.2	*	0.0	32.9	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 4
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 12
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

WESTMORELAND-MC GINNIS HOSPITAL

Medicare Provider Number: 390252

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	23	0.0	8.1	*	8.7	13.7	*	13.0	18.0	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	32.7	*	100.0	56.1	*	100.0	70.7	*
Pneumonia/Influenza	2	0.0	12.2	*	0.0	16.2	*	0.0	19.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	32.6	*	0.0	41.5	*	0.0	47.7	*
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	35	5.7	5.0	*	5.7	8.9	*	5.7	12.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	33.3	17.7	*	33.3	28.0	*	33.3	36.8	*
Pneumonia/Influenza	1	0.0	19.3	*	0.0	26.4	*	0.0	32.0	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	100.0	2.0	*	100.0	4.5	*	100.0	7.4	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WILKES-BARRE GENERAL HOSPITAL

N River & Auburn Sts
Wilkes Barre, PA 18764

Medicare Provider Number: 390064

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,143	8.5	8.7	0.7	13.7	13.6	0.7	17.1	17.4	0.6
CONDITIONS:										
Acute Myocardial Infarction	75	14.7	25.8	8.5	18.7	28.5	9.1	20.0	31.6	9.4
Congestive Heart Failure	225	18.2	15.0	3.3	28.4	23.3	5.2	34.7	30.3	4.8
Pneumonia/Influenza	130	14.6	16.4	4.5	18.5	22.1	5.0	26.9	26.7	3.9
Chronic Obstructive Pulmonary Disease	69	5.8	9.7	5.7	8.7	15.8	6.2	18.8	20.9	5.1
Transient Cerebral Ischemia	89	1.1	1.6	1.9	2.2	3.5	4.1	9.0	5.6	3.4
Stroke	171	20.5	20.7	3.1	25.1	27.5	3.6	27.5	32.0	4.3
Hip Fracture	62	4.8	7.7	5.5	11.3	13.8	7.0	14.5	18.0	7.4
Sepsis	42	40.5	32.0	*	54.8	42.0	*	64.3	49.0	*
PROCEDURES:										
Angioplasty	19	5.3	3.2	*	5.3	3.8	*	5.3	4.7	*
Coronary Artery Bypass Graft	103	5.8	5.4	3.3	7.8	7.5	2.7	8.7	8.8	2.8
Initial Pacemaker Insertion	28	0.0	4.3	*	14.3	8.3	*	14.3	12.0	*
Carotid Endarterectomy	20	0.0	1.6	*	5.0	3.5	*	5.0	5.3	*
Hip Replacement/Reconstruction	59	3.4	3.5	2.4	8.5	6.8	3.6	10.2	9.4	4.0
Open Reduction of Hip Fracture	30	6.7	7.3	*	10.0	13.2	*	13.3	17.2	*
Prostatectomy	96	3.1	1.5	1.9	4.2	3.2	2.3	6.3	5.1	3.2
Cholecystectomy	69	2.9	3.8	2.7	7.2	6.6	5.0	7.2	8.7	4.4
Hysterectomy	31	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	447
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	201
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	394
Licensed Practical Nurses	95

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WILKES-BARRE GENERAL HOSPITAL

Medicare Provider Number: 390064

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,326	8.8	9.0	0.7	14.8	13.9	0.7	18.9	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	82	32.9	30.7	8.1	39.0	33.8	8.1	39.0	37.4	6.8
Congestive Heart Failure	210	14.3	16.3	2.9	25.2	24.7	3.3	32.9	31.5	3.3
Pneumonia/Influenza	127	21.3	17.8	4.4	28.3	23.9	6.8	33.9	28.8	7.9
Chronic Obstructive Pulmonary Disease	59	6.8	10.1	4.8	16.9	16.2	5.6	22.0	21.2	6.3
Transient Cerebral Ischemia	78	1.3	1.9	1.8	2.6	4.1	3.4	3.8	6.3	4.7
Stroke	154	18.8	22.1	4.3	27.9	28.5	3.7	34.4	33.0	5.5
Hip Fracture	68	4.4	7.0	4.3	8.8	12.9	6.7	8.8	16.8	8.1
Sepsis	53	24.5	30.3	7.6	32.1	39.0	8.8	39.6	45.1	8.0
PROCEDURES:										
Angioplasty	4	0.0	1.3	*	0.0	2.2	*	0.0	3.2	*
Coronary Artery Bypass Graft	108	3.7	6.9	3.4	6.5	9.3	3.9	8.3	10.6	3.4
Initial Pacemaker Insertion	20	0.0	2.8	*	0.0	5.4	*	5.0	7.8	*
Carotid Endarterectomy	28	0.0	1.4	*	0.0	2.8	*	0.0	4.3	*
Hip Replacement/Reconstruction	37	0.0	3.2	*	2.7	6.4	*	2.7	8.8	*
Open Reduction of Hip Fracture	43	4.7	6.5	*	9.3	12.6	*	9.3	16.7	*
Prostatectomy	122	0.8	1.3	1.4	3.3	2.7	1.9	5.7	4.3	2.6
Cholecystectomy	86	2.3	3.2	2.1	7.0	5.7	2.7	9.3	7.5	3.3
Hysterectomy	46	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,914	9.2	9.0	0.7	14.0	13.8	0.7	17.6	17.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	90	32.2	30.5	5.4	37.8	33.6	6.1	38.9	36.9	6.6
Congestive Heart Failure	212	19.3	16.6	3.3	30.2	25.0	4.2	34.0	31.8	3.5
Pneumonia/Influenza	92	18.5	18.8	5.2	30.4	25.0	6.5	35.9	30.1	9.9
Chronic Obstructive Pulmonary Disease	82	9.8	9.7	4.8	12.2	16.5	6.0	14.6	21.8	8.1
Transient Cerebral Ischemia	84	0.0	2.0	2.2	1.2	4.4	3.3	7.1	7.0	3.9
Stroke	129	18.6	21.0	6.1	21.7	27.5	5.5	24.8	31.9	6.4
Hip Fracture	66	6.1	7.3	3.3	13.6	12.9	4.5	18.2	16.4	6.3
Sepsis	27	29.6	32.6	*	40.7	39.9	*	44.4	46.4	*
PROCEDURES:										
Angioplasty	1	0.0	0.9	*	0.0	1.1	*	0.0	1.5	*
Coronary Artery Bypass Graft	17	11.8	4.5	*	11.8	5.6	*	11.8	6.4	*
Initial Pacemaker Insertion	32	6.3	4.3	*	9.4	7.9	*	9.4	10.7	*
Carotid Endarterectomy	28	0.0	1.6	*	0.0	3.1	*	3.6	4.5	*
Hip Replacement/Reconstruction	40	2.5	3.7	*	2.5	6.7	*	2.5	8.5	*
Open Reduction of Hip Fracture	35	5.7	7.7	*	20.0	14.0	*	25.7	18.0	*
Prostatectomy	92	1.1	0.9	*	1.1	2.3	*	1.1	3.8	*
Cholecystectomy	84	1.2	3.1	2.1	2.4	5.0	3.0	2.4	6.4	3.4
Hysterectomy	32	0.0	1.1	*	0.0	2.0	*	3.1	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

North River &
Auburn Streets
Wilkes-Barre,
Pennsylvania
18764
(717) 829-8111

447.1

WILKES·BARRE *GENERAL HOSPITAL*

Promoting consumer awareness of hospital mortality data is a laudable goal providing the data is reliable, accurate and the interpretation can be readily understood by the general public. Raw figures can be misleading without adjustment for important variables such as severity of illness. The HCFA mortality data may be the first step to focusing on areas for further review. Under no circumstances can only mortality data be the basis for determining the quality of care that a hospital delivers. Hospitals above the predicted ranges do not always provide the best care.

HCFA analysis rests on the assumption that all the patients admitted to all hospitals are similar in the severity of their illness except for a few specific characteristics. It is further assumed that all the patients in each category received similar or average treatment. The statistical methodology utilized to compile the data is sound, however, the important question is whether the above assumptions are valid.

The reliability of data processing routines used to identify post discharge deaths is unknown thus significant errors in discharge disposition could result in a higher mortality rate. There were no thresholds established to determine the number of patients which would qualify as being a "representative" sample. Using this statistical method too few patients in any one category can result in unreliable data.

The model also includes mortalities which occurred after the patient was discharged from the hospital within 30 days, 90 days and 180 days of the admission. These deaths may be attributable to factors unrelated to the hospital admission, i.e., accidents, other comorbid conditions, expected death in terminal diseases and/or mortality related to treatment at home or in an extended care facility. Certain factors may cause a hospital to have higher mortality rates: Specialized services (cancer and renal centers), burn, hospice and trauma units, tertiary referral centers and area shortages of nursing home beds causing patients to be admitted to a hospital in a terminal state.

447.2
North River &
Auburn Streets
Wilkes-Barre,
Pennsylvania
18764
(717) 829-8111

WILKES·BARRE GENERAL HOSPITAL

The data used by HCFA indicate that a total of 4,143 Medicare patients were admitted to Wilkes-Barre General Hospital and 8.5% died within 30 days of admission. Our own records show that 7,432 Medicare admissions occurred in 1989 while only 6% died in the hospital. Presumably the discrepancy in total patients reflects multiple admissions of individual patients, since only one admission per patient is randomly selected in the HCFA model. The variance in the percentage of deaths may be due to patient who died outside the hospital and perhaps for different causes other than those reported by HCFA.

Probably one of the most important factors of all is that this model's ability to detect differences in quality has never been evaluated. HCFA is most assuredly aware of the shortcomings of the data and methodology and has committed themselves to work with hospitals to validate data and improve the methodology. The Wilkes-Barre General Hospital, as a component of its Quality Assurance program, conducts physician peer review of every death to determine the quality of the care delivered. The Hospital, likewise, acknowledges their commitment to public accountability for the quality of care it delivers to its community.

WILLIAMSPORT HOSPITAL

777 Rural Ave
Williamsport, PA 17701

Medicare Provider Number: 390045

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,457	7.2	7.8	0.7	11.6	11.9	1.0	14.9	15.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	85	18.8	23.4	5.3	22.4	27.0	6.1	23.5	30.6	6.9
Congestive Heart Failure	91	9.9	14.6	6.4	19.8	21.8	5.6	24.2	28.1	6.8
Pneumonia/Influenza	82	9.8	16.5	5.0	14.6	22.6	6.0	15.9	27.4	7.2
Chronic Obstructive Pulmonary Disease	41	4.9	7.9	*	12.2	13.9	*	19.5	18.9	*
Transient Cerebral Ischemia	34	2.9	2.0	*	5.9	4.5	*	8.8	7.2	*
Stroke	86	19.8	22.7	5.4	25.6	29.2	7.0	30.2	33.7	6.2
Hip Fracture	64	10.9	6.4	4.9	15.6	11.5	7.5	20.3	15.0	9.1
Sepsis	14	35.7	31.0	*	42.9	37.9	*	42.9	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	2.4	*	11.8	4.9	*	11.8	7.3	*
Carotid Endarterectomy	29	3.4	1.2	*	3.4	2.2	*	3.4	3.2	*
Hip Replacement/Reconstruction	41	4.9	2.6	*	7.3	4.9	*	7.3	6.5	*
Open Reduction of Hip Fracture	43	9.3	6.0	*	11.6	11.4	*	16.3	15.0	*
Prostatectomy	79	0.0	0.7	1.8	2.5	1.8	2.3	6.3	3.1	3.1
Cholecystectomy	36	0.0	2.3	*	0.0	4.4	*	0.0	6.1	*
Hysterectomy	13	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 281
Occupancy Rate 65
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 174
Percent of Physicians Board Certified Specialists 87
Medical Residents/Interns 20
Registered Nurses 232
Licensed Practical Nurses 61

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WILLIAMSPORT HOSPITAL

Medicare Provider Number: 390045

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,566	7.1	7.9	0.7	11.5	12.1	0.8	15.4	15.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	100	24.0	24.2	4.3	28.0	27.9	4.6	31.0	31.6	4.7
Congestive Heart Failure	90	16.7	15.6	4.4	27.8	23.6	6.7	35.6	30.3	8.0
Pneumonia/Influenza	78	5.1	16.3	6.3	12.8	22.2	6.7	15.4	27.0	7.4
Chronic Obstructive Pulmonary Disease	36	11.1	7.9	*	13.9	13.4	*	25.0	18.1	*
Transient Cerebral Ischemia	49	2.0	1.7	*	2.0	3.5	*	2.0	5.5	*
Stroke	79	21.5	22.6	5.0	29.1	28.7	6.7	32.9	33.3	5.4
Hip Fracture	54	0.0	5.9	6.8	1.9	10.6	10.1	9.3	13.7	7.1
Sepsis	17	17.6	28.9	*	23.5	36.0	*	23.5	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.2	*	0.0	6.0	*	0.0	8.6	*
Carotid Endarterectomy	25	0.0	1.3	*	0.0	2.6	*	8.0	3.7	*
Hip Replacement/Reconstruction	49	0.0	2.8	*	0.0	5.2	*	2.0	6.8	*
Open Reduction of Hip Fracture	28	0.0	5.4	*	3.6	10.3	*	14.3	13.7	*
Prostatectomy	104	0.0	1.0	1.4	1.0	2.5	2.0	1.9	4.1	2.7
Cholecystectomy	43	7.0	3.3	*	7.0	6.0	*	7.0	7.8	*
Hysterectomy	19	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,409	7.1	7.0	0.6	10.8	10.8	0.7	14.4	14.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	94	25.5	23.6	4.6	25.5	27.4	5.7	33.0	31.3	5.1
Congestive Heart Failure	69	14.5	14.1	4.8	24.6	21.5	5.8	33.3	27.8	9.2
Pneumonia/Influenza	54	9.3	15.5	7.9	16.7	20.8	8.0	22.2	25.2	6.4
Chronic Obstructive Pulmonary Disease	32	6.3	6.6	*	6.3	11.7	*	9.4	16.2	*
Transient Cerebral Ischemia	44	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	87	19.5	21.5	4.5	24.1	27.5	5.2	29.9	31.9	5.3
Hip Fracture	59	8.5	4.6	4.5	8.5	8.6	3.8	10.2	11.6	4.5
Sepsis	9	11.1	29.3	*	11.1	34.7	*	11.1	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.8	*	0.0	7.3	*	7.1	10.2	*
Carotid Endarterectomy	26	0.0	1.3	*	0.0	2.4	*	3.8	3.4	*
Hip Replacement/Reconstruction	41	7.3	2.5	*	7.3	5.0	*	7.3	6.9	*
Open Reduction of Hip Fracture	35	5.7	4.1	*	5.7	7.9	*	8.6	10.7	*
Prostatectomy	93	0.0	0.8	2.8	5.4	2.0	3.3	5.4	3.5	3.5
Cholecystectomy	43	7.0	2.0	*	7.0	3.6	*	9.3	4.9	*
Hysterectomy	14	0.0	1.0	*	0.0	2.0	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WILLS EYE HOSPITAL

4th Walnut St
Philadelphia, PA 19107

Medicare Provider Number: 390024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,999	0.1	0.8	0.3	0.5	1.8	0.5	1.5	2.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	2.1	*	0.0	3.4	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	120
Occupancy Rate	35
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	149
Percent of Physicians Board Certified Specialists	97
Medical Residents/Interns	34
Registered Nurses	96
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WILLS EYE HOSPITAL

Medicare Provider Number: 390024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,934	0.2	0.9	0.3	0.7	1.8	0.4	1.3	2.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	2	0.0	8.1	*	0.0	15.2	*	0.0	21.3	*
Transient Cerebral Ischemia	1	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Stroke	1	0.0	12.3	*	0.0	17.9	*	0.0	21.6	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,687	0.2	1.0	0.4	0.7	2.1	0.6	1.8	3.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	21.3	*	0.0	36.4	*	0.0	45.5	*
Hip Fracture	0									
Sepsis	1	0.0	13.5	*	0.0	18.0	*	0.0	22.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WINDBER HOSPITAL WHEELING CLINIC

600 Somerset Avenue
Windber, PA 15963

Medicare Provider Number: 390112

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	822	11.2	9.8	1.2	15.7	15.0	1.3	18.4	18.9	1.6
CONDITIONS:										
Acute Myocardial Infarction	34	23.5	26.2	*	29.4	29.5	*	32.4	32.8	*
Congestive Heart Failure	45	15.6	17.1	*	31.1	26.4	*	40.0	33.7	*
Pneumonia/Influenza	37	10.8	18.9	*	13.5	25.7	*	21.6	31.0	*
Chronic Obstructive Pulmonary Disease	16	0.0	6.7	*	0.0	11.9	*	0.0	16.0	*
Transient Cerebral Ischemia	43	4.7	2.1	*	9.3	5.0	*	14.0	8.0	*
Stroke	29	20.7	17.2	*	24.1	24.2	*	24.1	28.6	*
Hip Fracture	11	0.0	6.3	*	0.0	11.3	*	0.0	14.7	*
Sepsis	15	26.7	22.5	*	33.3	31.6	*	40.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	6.5	*	7.7	11.9	*	7.7	15.8	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	6	0.0	6.4	*	0.0	11.6	*	0.0	14.6	*
Open Reduction of Hip Fracture	3	0.0	7.9	*	0.0	15.3	*	0.0	20.5	*
Prostatectomy	17	0.0	1.8	*	0.0	4.4	*	5.9	7.1	*
Cholecystectomy	30	3.3	2.1	*	6.7	3.9	*	6.7	5.2	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	67
Occupancy Rate	51
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	42
Percent of Physicians Board Certified Specialists	52
Medical Residents/Interns	0
Registered Nurses	51
Licensed Practical Nurses	34

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WINDBER HOSPITAL WHEELING CLINIC

Medicare Provider Number: 390112

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	859	12.5	10.5	1.6	16.2	15.9	1.3	18.9	20.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	34	41.2	30.0	*	44.1	33.2	*	47.1	36.5	*
Congestive Heart Failure	58	10.3	19.0	9.5	22.4	28.7	11.5	27.6	36.2	8.7
Pneumonia/Influenza	29	13.8	17.5	*	17.2	23.9	*	27.6	28.9	*
Chronic Obstructive Pulmonary Disease	8	12.5	8.7	*	12.5	13.7	*	25.0	18.1	*
Transient Cerebral Ischemia	35	5.7	2.3	*	8.6	5.3	*	8.6	8.8	*
Stroke	40	25.0	20.4	*	32.5	27.3	*	32.5	31.9	*
Hip Fracture	10	20.0	8.2	*	40.0	14.3	*	40.0	17.9	*
Sepsis	7	0.0	22.0	*	0.0	30.2	*	0.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.3	*	10.0	4.5	*	10.0	6.4	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	4	25.0	8.4	*	50.0	15.0	*	50.0	18.3	*
Open Reduction of Hip Fracture	3	0.0	6.9	*	33.3	13.0	*	33.3	17.2	*
Prostatectomy	23	0.0	1.3	*	4.3	3.4	*	8.7	5.7	*
Cholecystectomy	21	0.0	3.6	*	0.0	6.6	*	0.0	8.9	*
Hysterectomy	12	0.0	1.3	*	0.0	2.4	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	870	10.1	10.3	1.1	14.7	15.8	1.3	18.4	19.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	25.1	*	37.1	29.4	*	37.1	33.1	*
Congestive Heart Failure	65	9.2	16.0	6.4	16.9	24.1	8.3	24.6	30.7	8.4
Pneumonia/Influenza	23	17.4	16.6	*	21.7	22.2	*	21.7	26.8	*
Chronic Obstructive Pulmonary Disease	5	20.0	7.4	*	20.0	13.4	*	20.0	18.6	*
Transient Cerebral Ischemia	26	0.0	2.3	*	0.0	5.1	*	3.8	7.9	*
Stroke	32	18.8	17.8	*	21.9	23.8	*	25.0	27.7	*
Hip Fracture	14	14.3	6.9	*	14.3	11.9	*	14.3	15.0	*
Sepsis	12	33.3	24.8	*	41.7	35.4	*	50.0	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	10.2	*	0.0	14.5	*	0.0	18.3	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	8	0.0	3.1	*	12.5	5.9	*	12.5	8.1	*
Open Reduction of Hip Fracture	7	14.3	6.5	*	14.3	12.1	*	14.3	15.5	*
Prostatectomy	21	0.0	1.5	*	0.0	3.7	*	0.0	6.3	*
Cholecystectomy	19	0.0	8.1	*	10.5	14.2	*	15.8	17.8	*
Hysterectomy	12	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

YORK HOSPITAL

1001 South George St
York, PA 17405

Medicare Provider Number: 390046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,934	10.5	9.5	0.5	15.3	14.1	0.6	19.2	17.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	223	33.6	29.2	4.0	36.3	32.3	3.9	39.0	35.5	4.1
Congestive Heart Failure	320	13.4	15.7	2.5	23.7	23.9	2.9	33.1	30.7	2.9
Pneumonia/Influenza	140	18.6	16.2	3.9	22.9	22.1	3.6	26.4	26.7	3.8
Chronic Obstructive Pulmonary Disease	63	9.5	8.9	4.5	17.5	15.5	5.3	27.0	21.1	6.9
Transient Cerebral Ischemia	58	0.0	1.5	*	0.0	3.2	*	0.0	5.2	*
Stroke	207	18.4	22.0	4.5	25.1	28.6	3.8	30.0	33.0	3.8
Hip Fracture	150	7.3	6.3	2.1	10.7	11.2	2.8	17.3	14.7	3.5
Sepsis	71	19.7	23.4	5.6	31.0	30.3	6.0	38.0	35.7	5.9
PROCEDURES:										
Angioplasty	19	0.0	2.3	*	0.0	2.8	*	0.0	3.6	*
Coronary Artery Bypass Graft	71	5.6	5.5	3.7	5.6	7.5	4.2	5.6	9.0	4.7
Initial Pacemaker Insertion	24	0.0	2.4	*	0.0	5.1	*	0.0	7.8	*
Carotid Endarterectomy	25	4.0	1.4	*	8.0	2.5	*	8.0	3.6	*
Hip Replacement/Reconstruction	87	1.1	3.1	3.2	2.3	5.9	6.1	8.0	8.1	5.1
Open Reduction of Hip Fracture	72	4.2	6.0	4.1	9.7	11.0	4.6	13.9	14.4	4.2
Prostatectomy	174	0.6	0.9	0.8	2.3	2.2	1.4	4.0	3.6	2.4
Cholecystectomy	107	2.8	3.4	1.9	4.7	5.9	2.8	5.6	7.5	3.9
Hysterectomy	81	1.2	0.8	1.2	4.9	1.7	2.1	7.4	2.7	2.9

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	538
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	302
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	62
Registered Nurses	598
Licensed Practical Nurses	197

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

YORK HOSPITAL

Medicare Provider Number: 390046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,096	9.7	9.8	0.5	14.8	14.6	0.5	18.8	18.4	0.6
CONDITIONS:										
Acute Myocardial Infarction	208	29.8	30.1	3.2	32.2	33.2	3.4	35.1	36.6	3.8
Congestive Heart Failure	320	14.7	16.1	2.3	26.2	24.2	2.9	33.4	31.0	3.4
Pneumonia/Influenza	124	16.9	17.2	3.8	22.6	23.1	3.8	28.2	27.6	4.1
Chronic Obstructive Pulmonary Disease	53	7.5	10.0	4.6	17.0	16.6	7.1	18.9	22.0	7.0
Transient Cerebral Ischemia	69	1.4	1.8	2.2	2.9	3.9	3.4	2.9	6.1	4.3
Stroke	221	17.6	22.0	4.6	23.1	28.0	5.8	27.1	32.4	5.5
Hip Fracture	148	4.7	7.4	3.3	11.5	13.4	3.2	17.6	17.2	3.2
Sepsis	48	10.4	26.3	*	20.8	33.7	*	20.8	39.6	*
PROCEDURES:										
Angioplasty	23	0.0	4.3	*	0.0	5.1	*	0.0	6.0	*
Coronary Artery Bypass Graft	51	9.8	4.9	4.2	11.8	6.4	5.5	13.7	7.5	6.1
Initial Pacemaker Insertion	33	3.0	4.0	*	3.0	6.5	*	3.0	9.0	*
Carotid Endarterectomy	34	0.0	1.6	*	2.9	2.9	*	2.9	4.3	*
Hip Replacement/Reconstruction	90	4.4	3.7	4.0	8.9	7.0	4.1	10.0	9.4	3.3
Open Reduction of Hip Fracture	72	2.8	6.8	3.8	9.7	12.8	4.3	18.1	16.7	4.6
Prostatectomy	202	0.5	1.2	1.0	3.0	2.8	1.9	3.5	4.4	2.1
Cholecystectomy	109	3.7	2.7	2.2	3.7	4.9	3.0	6.4	6.4	2.4
Hysterectomy	54	0.0	0.9	2.3	3.7	2.1	2.6	3.7	3.2	3.2

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,743	11.2	10.0	0.6	15.6	14.9	0.6	19.3	18.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	230	26.1	31.4	5.6	29.1	34.8	6.0	32.6	38.4	6.2
Congestive Heart Failure	273	15.0	16.3	3.0	23.8	24.3	4.4	30.4	31.0	2.9
Pneumonia/Influenza	127	21.3	19.1	4.0	26.8	25.8	4.5	34.6	31.0	6.7
Chronic Obstructive Pulmonary Disease	58	12.1	11.6	4.2	19.0	18.9	5.5	22.4	24.4	7.3
Transient Cerebral Ischemia	90	1.1	1.8	2.6	6.7	3.9	3.4	7.8	6.1	3.3
Stroke	185	21.1	22.9	4.0	27.0	29.2	6.0	29.2	33.5	7.2
Hip Fracture	147	6.1	7.4	2.5	12.2	13.3	2.9	16.3	17.1	3.4
Sepsis	39	25.6	28.0	*	33.3	36.2	*	38.5	42.3	*
PROCEDURES:										
Angioplasty	22	0.0	2.5	*	0.0	3.2	*	0.0	4.3	*
Coronary Artery Bypass Graft	40	7.5	5.4	*	7.5	7.2	*	10.0	8.3	*
Initial Pacemaker Insertion	31	3.2	3.2	*	3.2	6.0	*	12.9	8.6	*
Carotid Endarterectomy	30	3.3	1.5	*	3.3	2.7	*	6.7	3.9	*
Hip Replacement/Reconstruction	82	4.9	3.9	2.6	6.1	7.2	3.0	9.8	9.5	3.2
Open Reduction of Hip Fracture	84	7.1	6.9	3.9	16.7	12.9	6.0	19.0	16.8	7.4
Prostatectomy	198	1.5	1.0	0.9	3.0	2.5	1.3	4.5	4.3	1.5
Cholecystectomy	132	1.5	3.1	2.9	3.0	5.6	3.8	5.3	7.3	3.6
Hysterectomy	42	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Technical Appendix

TECHNICAL APPENDIX

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which contains summary information on the hospitalizations of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board.

Hospitalizations with discharges in fiscal years 1987, 1988 and 1989 were used in these analyses. Hospitalizations in 1986 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute-care hospitalizations in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospitalizations in special cost centers, designated by a "9" in the fourth position of the provider number, and hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units, with "special unit codes" of S, T, U and V, respectively, in the third position were excluded.

The Mortality Model

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospitalizations were then segregated by analytical category and analyzed separately. The analytic categories were created by grouping ICD-9-CM diagnosis codes that had similar raw mortality rates and clinical definitions. The groupings fall into five risk levels: low, average, moderately severe, very severe and catastrophic. Within these risk levels, codes are further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1.

The mortality experience of the patients was evaluated as a function of time within 182 days of the admission. The factors included in the mortality model used to evaluate the patients' probability of death are given in Table A-2. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of

an adverse outcome), prior admissions (grouped into five risk or severity levels) within the six months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure", Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

Analytic Techniques

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study at the end of the followup period of 182 days.

The survival function, S(t), is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function,

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is:

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}$$

The probability density function commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases the area under the survival curve is restricted to an interval 0-t_1 where t_1 might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0+\alpha_1 x_1+\ldots+\alpha_i x_i+\ldots+\alpha_k x_k)$$
$$\gamma = \exp(\gamma_0+\gamma_1 g_1+\ldots+\gamma_i x_i+\ldots+\gamma_k x_k)$$
$$\delta = \exp(\delta_0+\delta_1 x_1+\ldots+\delta_i x_i+\ldots+\delta_k x_k)$$

are the expressions for each of the structural parameters α, γ, and δ in terms of the k concomitant variables x_i and their associated component parameters α_i, γ_i, and δ_i for i=1,2,..., k and three intercepts or component parameters α_0, γ_0, and δ_0. The structural parameter δ is the long-term risk which is approached as $t \to \infty$. The structural parameter is the initial excess risk which decays with rate constant γ.

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ. The hazard function corresponding to the survival function above is

$$h(t) = \alpha\exp(-\gamma t) + \delta .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p<0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 17 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 1,000 cases or a statistically significant effect at the $p<0.01$ level when the number of cases was less than 1,000. Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i, γ_i, and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytic categories are useful for grouping the patients into relatively risk homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

Estimation of the Standard Deviation for Predicted Mortality

The standard deviation of the predicted mortality rate is used to assess how meaningfully different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P, and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1, V_2 , V_3, and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included the present analysis.

V_2 is the binomial variance for n patients.

$$V_2 = \frac{\hat{\Theta}\left(1 - \hat{\Theta}\right)}{n}.$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\mathrm{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left(\frac{1}{z_p^2} \right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital specific effect.

V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left(\text{Observed mortality}\right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just:

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

Measures of Uncertainty

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table A-3 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels ranging from 75 percent to 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table A-3 exceeds the precision of the estimate of the standard deviation. Hence, the rule-of-thumb given at the front of this Appendix represents an adequate approximation to the factors in Table A-3 and an adequate guide to the meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table A-3, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent, if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent, if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Upper Bound", the row "75" for the number of cases, and by interpolation between the "10%" and the "20%" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

On the other hand, 75 percent of the time, the observed mortality rate will lie either between 13 percent and 18.8 percent (13.0 percent + 1.15 x 5.0 percent) if the observed rate is higher than the predicted, or between 7.3 percent (13.0 percent - 1.15 x 5.0 percent) and 13.0 percent if it is lower.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. In turn, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4.	Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5.	Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6.	Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7.	Average risk disorders	V10, V58.0, V58.8, 006, 010 -013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7.	Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2- 590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8.	Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9.	Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9

Table A-2

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

DEMOGRAPHICS

$$AGESP = \text{sign}(W-65)\left(\left|\frac{W-65}{65}\right|\right)^{1.72}$$

where

$$W = \left\{ \begin{array}{c} 23 \text{ if } AGE \leq 23 \\ AGE \text{ if } 23 < AGE < 100 \\ 100 \text{ if } 100 \leq AGE \end{array} \right\}$$

SX An indicator variable: = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if comorbidity present and 0 otherwise)

		ICD-9-CM Codes
CCA	Cancer	141-160.9, 162-172.9, 174-208.9)
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1)
CLV	Chronic liver disease	571-572.8)
CRN	Chronic renal disease	582-583.9, 585-587)

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1or more set to 1.

TABLE A-3: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate.)

	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
	Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

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